



15 Jan 1986

## The Missouri Miner, January 15, 1986

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# missouri miner

Wednesday, Jan. 15, 1986

University of Missouri-Rolla

Volume 74, Number 16

Twenty Pages

## major miner stories

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## Student Representative choice thrown awry

By Paul McLaughlin  
Editor

Remember the search for the next Student Representative to the University Board of Curators? And the Search Committee's worry about having enough applicants from the Rolla Campus? Their worst fears have come true. Rolla was unable to come up with enough applicants, and what should have been finished by the beginning of this month may not be completed until February.

It was hoped that Rolla could send five to twelve prospects to the campus presidents. Of the eight that applied, only four were sent on.

The campus presidents had hoped to send three on to Governor John Ashcroft, but after interviewing the four, decided to send the only two they felt were acceptable.

Larry Miers in the Press Office for Governor Ashcroft says that the Governor needed three so he has not made his appointment and is waiting for the third. (The need for three is given by the statute that allows the University of Missouri students to have a representative on their Board of Curators.)

UM-Rolla Student Council President Scott Lucas says that he and the other four student body presidents

(four campuses presidents plus the president of the UM-Columbia Graduate Council) worried hard over sending only three to the Governor.

"We debated a long time about whether to send three names and hope the Governor would pick the right one or to send only two and avoid the risk," Lucas says.

They knew that although the statute calls for three, the Governor could have accepted the two. The reason he didn't, say Lucas and Miers, is that he wanted to follow the law to the letter since it was so young.

Lucas is now doing what the presidents planned for this situation. Rather than forming the original search committee again, he is conducting his own search and hopes to have his prospect found within a week or two.

He asks that any interested persons contact him at the Student Council office, 341-4280.

He notes that a one-man search committee may not be quite as far-reaching as the one last semester, but he feels that this campus has had its chance since it had open nominations and a publicity blitz then.

Lucas also notes a few ramifications all this is having in the legislative eye. "The fact that this happened at all is going to be tough on us," he said.

People are watching how the four campuses perform in keeping themselves represented on the Board of Curators (this year and next were Rolla's turn to supply that representative). One upcoming bill involves having student representatives on the Board of Regents. What is happening now, says Lucas, will affect decisions made there and in other future legislation.

## Once-in-a-lifetime chance to view Halley's Comet now

Source: OPI

This year you have a once-in-a-lifetime reason to put binoculars or a telescope on your holiday gift list to get a better view of Halley's Comet, which appears only about every 75 years, say University of Missouri-Rolla astronomers.

"Under ideal conditions, you'll be able to see the comet with your naked eye, but whatever you can see with the eye you can see better with binoculars or a telescope," said Dr. Joseph H. Senne, UMR professor emeritus of civil engineering and an astronomer.

If you should find one of these optical instruments under the tree, you can start using it right away, Senne said.

"On Dec. 25, the comet was bright enough to be seen by the naked eye, but at that time the moon was

### Comet Tales\*

#### Halley's Comet: Little Known Facts

For more than 2500 years, Halley's Comet has ticked off the centuries like a cosmic clock in 76-year orbital periods—and it's still going strong.

- The brilliant comet is named for the English astronomer Edmund Halley. Halley was the first to believe that comets belonged to the solar system and took definite paths around the sun at regular intervals.

- He found that the paths taken by certain comets in 1456, 1531, 1607 and 1682

were all identical. He decided that the same comet made all these paths, and correctly predicted its return in 1759—thus, the naming of "Halley's Comet."

- Did you know that some strange creatures are hiding in the tail of Halley's Comet, and they plan to invade the Earth upon the Comet's return in 1985 and again in 1986? Not really—that's the legend behind the new action toys from Matchbox Toys called Parasites.

- These evil cosmic creatures fold up and hide out in their own vehicles. There's a choice of six: Corvette, Dodge Caravan, Chevy Van, Firebird, Ford Pick-Up Truck and Blazer.

at its brightest, making it difficult to see the fainter comet. During the first week of January, and continuing through the month, conditions for viewing should be more favorable, and the comet will be brighter, too," Senne explained.

Senne added that the cost of binoculars and telescopes doesn't have to be astronomical.

"You can spend under \$100 or up to \$1,000 or more, depending on quality," he said. "However, you probably can get an instrument you would find adequate, unless you're a serious viewer, for about \$50."

Senne said that the average person probably would find binoculars of more use than a telescope.

"The inexperienced viewer will find it more difficult to locate the comet with a telescope," he explained. "Tele-

scopes restrict your field of view to just one small part of the sky at a time and magnify that area somewhat like looking at a large picture through a microscope.

"Binoculars, on the other hand, give a wider field of view than the telescope and make things brighter to the eye. In addition, binoculars may be more useful for other purposes, such as bird watching or viewing events in large stadiums or arenas," he continued.

Senne explained that a 7x 35 or 7x 50 pair of binoculars should be satisfactory for viewing the comet. (7x refers to the magnifying power and the last number to the diameter in millimeters of the instrument's main lens).

see Comet page 5

## Evening credit courses offered

Source: OPI

The College of Arts and Sciences at the University of Missouri-Rolla will offer several evening credit courses on campus beginning in January.

These courses cover a variety of subjects including teaching, photography, art, and computers. Also offered is a course on Halley's Comet.

Spaces are still available in the following courses:

- Applied Arts and Cultural Studies T-164, "Teacher Aiding," two credit hours. The course will be offered Jan. 9 through April 24 with the meeting time and place to be announced at a later date. Fee for the course is \$98.50.

- Applied Arts and Cultural Stu-

dies T-350, "Social Studies for Elementary Teachers," three credit hours. The course will meet from 6-9 p.m. Tuesdays Jan. 14 through April 29 in Room G-8 of the Humanities Social Sciences Building. Fee for the course is \$147.75.

- Art 20, "Drawing I," three credit hours. The course will meet from 6-9 p.m. Wednesdays Jan. 22 through April 30 in Room 204 of the Humanities-Social Sciences Building. Fee for the course is \$147.75.

- Art 40, "Painting I," three credit hours. The course will meet from 6-9 p.m. Wednesdays Jan. 22 through April 30 in Room 205 of the Humanities-Social Sciences Building. Fee for the

course is \$147.75.

- Computer Science 301-C, "Software Application on the PC," three credit hours. The course will be offered from 6-9 p.m. Thursdays Jan. 9 through April 24 in room 209 of the Mathematics-Computer Science Building. Fee for the course is \$189.45.

- Computer Science 301-D, "Introduction to BASIC Language," three credit hours. The course will meet from 6-9 p.m. Mondays Jan. 13 through April 24 in room 209 of the Mathematics-Computer Science Building. Fee for the course is \$189.45.

see Classes page 5

## UMR, Tanta University discuss group project



Source: OPI

Dr. Mohamed Ghoneim (center), vice dean of the Faculty of Science, Tanta University, Tanta, Egypt, discusses the project "Environmental Studies of Industry and Agricultural Pollution in the Mid-Delta Area of the Nile, Egypt" with Dr. Bobby G. Wixson, dean of International Programs and Studies at the University of Missouri-Rolla, and Dr. Nord Gale, chairman of the UMR department of life sciences, during a recent visit to the UMR campus. Ghoneim's visit to UMR and the research project are part of an academic exchange program between the two universities.

## Two applicants make it as far as the Governor

Compiled from News Services

Kevin B. Edwards and C. Sean Foote make up the list of applicants whose names were forwarded to Governor John Ashcroft for appointment to a two-year term as Student Representative to the UM Board of Curators. current Student Representative Jay Felton announced in early December.

Both people are students at the University of Missouri-Rolla and are involved in campus activities here.

Edwards, a freshman from Rolla majoring in nuclear engineering, has been active as Kappa Psi fall 1985 Pledge Class president and as assistant to the director of the UMR Marching Band. He was the 1984-85 United Methodist Senior High Representative to the United Methodist Youth Council, and in 1984 he attended Boy's State. He was involved in High School Oxford Debate his last two years of high school and was salutarian of his class.

Foote, a sophomore from Kansas City majoring in electrical engineering, has been involved as Intercollegiate Knights treasurer, member of the Student Union Board, IEEE, and Pi Kappa Alpha Pledge Class Vice-President 1984-85. He is a National Merit Scholarship Finalist. Like Edwards, he also was involved in debate while in high school and attended Boy's State.



# calendar of events

## Wednesday

Last day for 90% refund of fees at 3:00 p.m.

## Thursday

**Vet's Club**—The first meeting of the Vet's Club this semester will be January 16 at 4:30 in bldg. T-2. Upcoming parties, activities and other social events will be discussed. All veterans on campus, both members and those who are interested in finding out about the club, are invited to attend.

**UMR Film Series**, "Purple Rose of Cairo," 7:30 p.m., Miles Auditorium, Mechanical Engineering Building. Season ticket or \$3 at the door.

## Saturday

**Women's Basketball**, Northeast Missouri State University, 5:30 p.m., Bullman Multi-Purpose Building.

**Men's Basketball**, Northeast Missouri State University, 7:45 p.m., Bullman Multi-Purpose Building.

## Monday

**Observance of Martin Luther King Day**, 7:30 p.m., Cedar Street Center. Free.

**Christian Campus House Fellowship** at 7:00 p.m. at CCH, 7th and State Streets. Come join us for songs, refreshment, and a study of God's Word. Everyone Welcome!

## Tuesday

**English Club Meeting** at 3:30 p.m. in the Gallery, University Center-East. All English majors and students interested in literary activities and events are invited to attend.

**The Concerts Committee** of the Student Union Board will have its first new-member meeting Tuesday, January 21 in Chem E. 125 at 8 p.m. Anyone interested in joining should come to the meeting or drop by the SUB office, 217 UCW. **Important meeting**—please plan to attend.

## Next Wednesday

Last day for 70% refund of fees 3:00 p.m.

Last day to register or add courses 3:00 p.m.

## Next Thursday

Last day for graduate students to notify the Registrar of intent to graduate on May 11.

**UMR Film Series**, "Birdy," 7:30 p.m., Miles Auditorium, Mechanical Engineering Building. Season ticket or \$3 at the door.

## Noday

**William M. Reiss Foundation Scholarship Fund**—Award Amount: Usually \$600/yr. (May include any or all of tuition, room & board) Criteria: Limited to men and women who are graduates of publicly supported high schools in Belleville, Illinois. Financial need will be taken into consideration. Applications available in the Financial Aid Office. Application Deadline: May 1, 1986.

**UMR Alumni Sons/Daughters Grant**—The University of Missouri-Rolla is pleased to announce that beginning with the 1986-87 academic year it will be offering an Alumni Sons/Daughters Grant for non-resident students whose parents are alumni of this institution. This grant program will provide a grant equal to non-resident tuition. In order for a student to receive this grant, he/she must do the following:  
Non-Resident Transfer Students & Present Non-

Resident UMR Upperclassmen complete the application which is available at the Student Financial Aid Office. These students must have completed 24 hours of university level course work and have a cumulative grade point average (GPA) of 3.0 or above. This grant will be renewed each year as long as the recipient is making satisfactory academic progress toward his degree and will be prorated accordingly based upon the number of hours completed when the student initially received this grant.

**1986-87 ACT Family Financial Statements Available**—Family Financial Statements (FFS) are available for students to receive in the corridor outside of the Student Financial Aid Office, 106 Parker Hall. The ACT/FFS must be completed in order for a student to be considered for a Pell Grant, College Work Study, National Direct Student Loan, Supplemental Educational Opportunity Grant, Missouri Grant, and the **Guaranteed Student Loan Program** for the 1986-87 academic year. The ACT/FFS should be completed by 3/31/86.

## TUTORING SERVICES

### ALPHA CHI SIGMA

Assistance offered in Chemistry and Chemical Engineering  
Sessions from 7-9 p.m.  
Tuesday and Thursday  
126 Chemical Engineering Building

### KAPPA MU EPSILON

Algebra through Calculus II  
7-8 p.m.  
Tuesday and Thursday  
202 Math/Computer Science Building

### SOCIETY OF PHYSICS STUDENTS

Assistance offered in Physics  
7:30-9 p.m.  
Tuesday  
129 Physics Building

### ENGINEERING MECHANICS DEPARTMENT

EM 50, 3:30-5:20 p.m., Monday  
EM 110, 3:30-5:20 p.m., Tuesday  
EM 150, 3:30-5:20 p.m., Thursday  
105 Engineering Mechanics Building

### MATHEMATICS AND STATISTICS DEPARTMENT

Algebra, Trigonometry, and Calculus  
8 a.m.-1:30 p.m.  
Monday-Friday  
Study Room 12, 3rd floor of the Library

### MINORITY AND WOMEN ENGINEERING PROGRAM TUTORIAL SERVICES

Assistance offered in the following subjects: Physics, Math, Engineering Mechanics, Electrical Engineering, Engineering Graphics, Chemistry, Psychology, Engineering Management, Computer Science, English, Chemical Engineering, Mechanical Engineering, Economics, Life Science, Music, and Political Science.

## Barrier Breakers will facilitate student/professor relations

By Bob Francis and Ed Dickherber  
Student Council

Throughout this semester, Student Council will be sponsoring Barrier Breakers in various departments around campus. These will provide students with a chance to meet their professors informally and see that they are people too.

The Barrier Breakers will be set up on a departmental basis beginning with the Engineering Mechanics depart-

ment on Tuesday, January 28, 1986 from 2 p.m. until 3:30 p.m. in room 104 (the EM Lounge).

Refreshments will be available. The advisor, Chairman, and Faculty will be available so that students can stop by and become acquainted on an informal basis to break down preconceived barriers. Improving relations between students and professors can only help on both sides.

## Missouri Miner

The Missouri Miner is the official publication of the students of the University of Missouri-Rolla. It is published each Wednesday at Rolla, Missouri and features activities of the students of UMR.

**Submissions for Publication** must be in our drop box (first floor of the Rolla Bldg.) by 12:30 p.m. on the Friday before publication or may be brought to the staff meetings at 1:30-2:30 p.m. on the same Friday.

**Advertising** information may be had by contacting the Advertising Director as listed below.

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## The Missouri Miner

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## Financial aid

**December-January Short-Term Loans**—Short Term Loan (STL) funds are available to students for the following expenses:

Fees—up to \$350, Personal—up to \$100:  
One application may be submitted if requesting funds for both fee and personal expenses. Students must designate on the application the specific amount needed for fee and personal expenses respectively.

**Plant Trips**—(Amount varies):  
A company letter verifying the date and location of the plant trip must accompany the application when it is submitted to the SFAO.

Applications may be obtained from the SFAO and should be submitted for processing by Thursday to have the funds requested available at the Cashier's Office the following Thursday.

STL funds must be repaid within 60 days or the end of the semester, whichever occurs first. The student should pay close attention to the due date, which is stated on the promissory note for the loan. Students may also apply for an extension (30 days max.) of the due date if necessary. The extension application must be received by the SFAO before the due date of the loan. All previous STL balances must be repaid before additional loans are approved. This insures the availability of funds for other students.

### 86-87 Applications For Financial Aid

The 86-87 ACT Family Financial Statement (FFS) will be available **December 9th**. A display table outside the Student Financial Aid Office (SFAO), 106 Parker Hall, will contain the ACT-FFS forms and the UMR Financial Aid Applications. All students should complete both forms for financial aid (Pell Grant, Supplemental Educational Opportunity Grant, Missouri Grant, College Work Study (CWS), National Direct Student Loan (NDSL), campus loans, and Guaranteed Student Loan (GSL) consideration for the 86-87 school year.

**New Deadline:**  
Students must submit the ACT-FFS application to the ACT processing center AND the UMR Financial Aid Application to the SFAO by **March 30, 1986** to be considered an "on time" financial aid applicant for 86-87. "On time" applicants will receive first consideration for financial aid funds.

**New GSL/ACT Requirement:**  
Students applying for Guaranteed Student Loans for the 86-87 school year must have an 86-87 ACT-FFS on file in the SFAO in addition to submitting the Guaranteed Student Loan application. This requirement is due to the new validation/verification procedures the SFAO must perform for the 86-87 school year.

We cannot stress the importance of accuracy. The ACT/FFS should not be mailed before January 1, 1986.

Financial aid checks for the WS-86 will be available on and after the first day of classes, January 9th, in the Cashier's Office on the lower level of Parker Hall.

Pell Grant recipients are reminded that their award is based upon full-time enrollment (12 credit hours or more). If the recipient is enrolled for less than 12 credit hours, the award must be recalculated by the SFAO before claiming financial aid checks.

## Birdy



UMR Film Series \$3.00 or season ticket  
Thursday 7:30 p.m. Miles Auditorium



# comments

## Why the United States is not a democracy

By Cordell Smith  
Staff Writer

Since it is the beginning of another semester, and since most classes are beginning with matters that are relatively basic, it seems only reasonable to do likewise here. So, before we get into "heavier" issues in upcoming articles, we ought to ask ourselves this seemingly simple question: what form of government does the United States have?

Most persons might reply immediately that the United States is a democracy—majority rule. While this is what is taught in most civics classes (and certainly the news media tell us likewise), the fact remains that we are *not* a democracy, and never have been. In fact, the Founding Fathers greatly feared democracy. And with good reason.

### The Evidence

Pick up a copy of the Declaration of Independence sometime, and try to find the word "democracy." You won't find it; it isn't there. Now look in the Constitution. It isn't there, either.

In fact, nowhere in the Constitution is there any inclusion of any procedure for such "direct" democratic systems as the referendum or the initiative. If Congress passes a law which the populace dislikes, there is no way to hold a nationwide referendum to strike it down. No petition drives can force a proposition to be placed on the federal ballots. The *Washington Post* may take poll after poll, but they have no direct effect (unless Congress itself takes action).

This is not an oversight; the writers of the Constitution did this deliberately, and explained the reasons for doing so. For example, here is what Congressman (and later President) James Madison wrote about democracy:

...a pure democracy, by which I mean a society consisting of a small number of citizens, who assemble and administer the government in person, can admit of no cure for the mischiefs of faction. A common passion or interest will, in almost every case, be felt by a majority of the whole; a communication and concert results from the form of government itself; and there is nothing to check the inducements to sacrifice the weaker party or an obnoxious individual. Hence it is that such democracies have ever been spectacles of turbulence and contention; have ever been found incompatible with personal security or the rights of property; and have in general been as short in their lives as they have been violent in their deaths. (*The Federalist Papers*, Number Ten)

Madison's statement, which is valid against all forms of democracy—especially now that mass communications such as TV provide a means for whipping the public into a frenzy, reminds me of an illustration given by Congressman John Rousselot (R-California) in which he describes a lynch mob as being an example of democracy. Imagine a small town where a ghastly murder has been committed. Because of some prejudice, or some incomplete evidence, the 109 inhabitants of the town leap to the conclusion that Robert Roe, the town's most obnoxious individual, is responsible. They hold a vote: 109 vote guilty and 1, the defendant, votes not guilty. But majority rules in a democracy, and the person is hanged—without benefit of trial, without due process of law. Here we have Democracy In Action.

### What, Then, Is The United States?

Of course, the Rousselot scenario is not supposed to happen here. Robert Roe should get a

trial by jury, which is *not* to issue a verdict on the basis of what a majority of the populace may think. In fact, even *within* the jury, the majority does not rule. The jury must be *unanimous* in issuing a verdict in a federal criminal proceeding. (*Andres v. United States*, 92 L Ed 1061) This is very undemocratic, but it nevertheless guarantees due process of law.

And there we have what the United States is: a system of rule by *law*—a Republic.

An example will show the supremacy of law. Suppose the majority, acting through its representatives in Congress, votes to impose press censorship. No matter how many people may support such a move, it remains unconstitutional, and the Supreme Court is required to strike it down. The Constitution—the *law*—overrules the opinion of the majority. This, too, is very undemocratic, but it shows that a Republic preserves freedom in a way that democracy never could.

(A final thought: what about the various Communist "People's Republics"? Are they republics in the true sense? Actually, no, they are ruled by a Communist elite—an oligarchy—and not by law. The term "People's Republic" is just another Communist lie.)

For these reasons, then, the Founding Fathers gave us a Republic, not a democracy. (Look in the Constitution under Article IV, Section 4, and you will find a republican government is guaranteed to each State as well.) Surely you will agree that we should keep our Republic, in order to reduce the chances that a majority will take away the rights of the minority.

## letters to the editor

### Foreign TA referendum explained

Dear Editor,

After reading Don Billen's suggestions about Stuco's referendum on foreign TA's, I feel I should explain to the campus the motives, purposes, and plans involved with out investigations of foreign TA's. First, however, I should apologize for some misleading terminology. We are not concerned with foreign TA's, but rather with TA's for whom English is a second language. The phrase "foreign TA" is commonly used to describe problems caused by the language barrier. The respected "Chronicle of Higher Education," a journal devoted to the news and issues in the higher education community, uses this terminology extensively as "shorthand" for the above mentioned problem. I wholeheartedly agree with Don's assessment of the beneficial and profound impact immigrants and foreigners have had on our nation. But the issue we are trying to deal with is communication difficulties caused by inadequate knowledge of the spoken English language, and not whether we are "for" or "against" foreigners.

There is some history behind our actions that you may not be aware of. Our actions are driven by a request

from the Board of Curators at their September 13, 1985, meeting that the University investigate the issue of foreign TA's. This request for further study was prompted by Jay Felton, the Student Representative to the Board of Curators, and other concerned people, including myself and a mother of a UMC student. My original letter to the Curators [appears below].

My response to this request was to form a task force consisting of Al Lewis, Ken Geile, Darrell Koller, and Carol DePasquale. They were charged with determining what possible solutions I should campaign for. They felt a referendum was needed to determine student sentiment towards this problem. I concurred that I should not bring issues to the Board of Curators if they aren't of any concern to the student body I represent. These four people formulated a report. The report published last semester finds that students believe teaching quality has deteriorated due to poor fluency in English among foreign TA's, even while there has been an increase in the number of foreign TA's. It recommends recruiting of native TA's when possible, and administration of the Test for

Spoken English to prospective TA's.

On Monday, November 18, 1985, I drove to Columbia and presented this report to the University's Academic Council. The Board of Curators will receive recommendations and possibly will take action at their March meeting.

The results of our referendum are included below. I would like to thank the large number of students who responded. When we send out referendums from Student Council, we try to use them when formulating policy positions or when representing the students. Unfortunately, our efforts usually go unannounced, so it may look as though we take these polls for fun. But I assure you, we pay attention to, and use, the results from all of our surveys. The students all deserve a hearty thanks for their cooperation.

—Scott Lucas, President  
UMR Student Council

see page 4 for Lucas' letter to the Curators and the Referendum results





# Lucas' letter to the Curators

Dear Jay,

I have been asked to comment on the problem of foreign teaching assistants and the problems the language barrier presents to the learning process. The problem is particularly troublesome on the University of Missouri-Rolla campus because we have a large number of foreign graduate students, and because financial shortages have forced many departments to assign graduate teaching assistants to courses that would be best taught by more experienced faculty. The result is often a course taught by a graduate who, while possessing rudimentary English skills, does not have the command of the language required for effective or even acceptable teaching. Not only does this harm the quality of graduates from UMR, but it has hurt the morale of students now on campus.

Teachers who cannot speak the English language have become an accepted and expected part of an undergraduate's education. Most often, they are utilized to teach beginning engineering, math, and science courses. Unfortunately, a poor foundation in basic skills often dims or ruins the engineering student's chances for success later in their school work. I cannot give you a quantitative idea of how many teachers there are on campus who have not mastered English. I can tell you, from personal experience, that one is too many.

In fairness, this is not to say that all foreign graduate teaching assistants are unqualified to teach. Regrettably,

one of my favorite teachers recently returned to Turkey, his homeland. Another foreign teacher assistant of mine was often incomprehensible in lecture. But when I approached him for help outside of class, he was concerned and helpful. His grading policies, furthermore, were fair. He was a good teacher, but a poor lecturer. And in defense of the administration, they are often forced in to using graduate teaching assistants who are foreign because of financial imperatives. The solution to this problem must be sensitive to the graduate teachers, who are doing their best, and it must recognize the role funding plays in providing quality teaching.

I have a few suggestions to offer. To its credit, the administration has implemented a limited attempt to correct the problem. They offered a two-day course to all new graduate teaching assistants last summer that was intended to teach basic teaching skills. I suggest that new graduate teaching assistants with poor verbal communication skills be identified early, and required to attend at least two weeks of course work in English and basic teaching skills. Any graduate teaching assistant found deficient after the summer course should be required to attend English courses during the school year as well. A hotline students could use to contact central administration officials in Columbia about sub-standard teachers would be an effective means of reporting complaints. The hotline would also complement the administrations cur-

rent efforts to improve the problem. It may be necessary to bypass the department and campus levels because, unfortunately, there are officials who seem to feel that an engineering education should be a "trial-by-fire", and poor teaching is just another obstacle dedicated engineers should be able to overcome. The fact that this matter has come as far as the Board of Curators should be sufficient evidence that this attitude does exist.

Finally, I would like to address an issue that has disturbed me for some time. Obviously, in order to determine the effectiveness of a teacher, one needs some sort of evaluation. The average college student, after being taught by teachers for over 13 years of his life, is a connoisseur of good teaching. And, he is usually quite fair in his judgments. The UMR Student Council runs a semesterly teacher evaluation that is relevant, objective, and fair. But, it is conditional—we may run this evaluation as long as the results are not used in salary or tenure decisions. As ludicrous as it may seem, a teacher's teaching ability, as seen by his students, is not deemed a relevant criterion of his performance. Our evaluations should be part of all teacher's performance ratings.

Thank you very much for addressing an issue that has plagued undergraduate education at UMR for some time.

—Scott Lucas, President  
UMR Student Council

## SAMPLING OF COMMENTS FROM REFERENDUM CONCERNING FOREIGN TA'S

"Do not employ persons who cannot communicate "very" well in the English language. A type of oral screening exam is in need."

"Had I known, prior to my enrollment here at UMR, about the large number of foreign instructors/TA's and the problems this situation creates I would have seriously considered other colleges with lesser problems in this area. Although it is too late for me to have such considerations now, I am compelled to advise other potential UMR students about this growing problem. At this point I feel I should tell you that the magnitude of my disgust does reach that of my father's as he is paying for my education here. (My father teaches advanced mathematics at a large Kansas City high school.) Declining enrollment and rising costs of education make this matter of foreign instructors a problem that must be attacked at once."

"Make it a requirement that all TA's take some sort of communication's class or enroll in some sort of Speech/Speaking Club before being allowed to teach. In addition, recommendations from communication professors in addition to technical professors might help in choosing the better man/woman for the highly important job of teaching. TA's play an important role in education at UMR. If they can't do it, who will? In addition, great sums of money is spent for a UMR education. If TA's can't even communicate their knowledge to students, why attend UMR? Better attend a less accredited school and learn something than waste time and money at UMR."

"We need to make the job market more attractive to native born graduate students. We are losing too many to industries that are willing to foot the cost of their continued education."

"A TA must not only be able to speak English words, but must also communicate ideas. Some TA's are far from this."

"I feel that graduate TA's can relate to students better than professors. The only problem I have encountered with foreign TA's is the language barrier."

"Increase English teaching by requiring an exam to show total English ability in speaking and writing. I suggest you read 'Let's Talk it Over' in *Newsweek On Campus*, December '85, p.p. 43-44 for ideas to solve the English speaking problem."

"My biggest problem came from a professor, not a TA."

"I don't think the problem is necessarily with foreign TA's, but with TA's in general. There needs to be a better screening process because we need people who are not just teaching for the money. I've had some terrific TA's, but I've also had awful ones. Note: These were not just foreigners!"

"English proficiency test"

"A committee should be established to administer a test to foreign TA's both written and verbal. The verbal test should be both in speaking and answering questions put to them without having to enunciate extremely distinctly or speaking slowly."

NOTE: The Task Force intended to remain unbiased in the selection of these comments from students at UMR.

## Results of StuCo's Foreign TA Referendum

### The Questions

On November 18 the Academic Affairs Council will be discussing the topic of foreign TA's. The purpose of this referendum is to ascertain whether or not the students of UMR find foreign-born TA's a problem.

Please answer the questions as fairly as possible:

1. Do you feel there is a problem with the teaching quality at UMR? (Please circle)  
1 2 3 4 5  
definitely no definitely yes

2. Would you attribute this problem to the high number of graduate TA's?  
1 2 3 4 5  
definitely no definitely yes

3. Do you feel the quality of teaching from foreign teachers is different than that of native-born TA's?  
1 2 3 4 5  
much better much worse

4. Personally, have you ever had a specific problem with foreign teachers?  
YES NO

5. If yes to #4, would you attribute this to: (Please check)  
Language difference  
Cultural difference  
Other  
(Please elaborate)

6. What is your major?  
Circle your class level: Fr. Soph. Jr. Sr.

7. What are some actions that you feel could be taken to help the situation? (Write comments below)

### The Answers

741 students surveyed. Here are the results:

	1	2	3	4	5
1.	12	98	134	216	266
2.	26	87	162	259	207
3.	44	132	175	185	192
4. YES	542				
NO	161				
5. LANGUAGE DIFFERENCE	552				
CULTURAL DIFFERENCE	94				
OTHER	35				
6. MAJOR:					
Mechanical Engineering: 68					
Metallurgical Engineering: 7					
Chemical Engineering: 27					
Geological Engineering: 6					
Electrical Engineering: 108					
Computer Science: 33					
Civil Engineering: 35					
Minority Engineering: 3					
Aerospace Engineering: 50					
Ceramic Engineering: 8					
Geology: 1					
Petroleum Engineering: 11					
Engineering Management: 33					
Nuclear Engineering: 2					
Engineering Mechanics: 3					
Physics: 5					
English: 1					
Life Science: 1					
FRESHMAN	176	SOPHOMORE	168	JUNIOR	188
				SENIOR	177

7. Comments unavailable.

### Please remember:

- All submissions must be in our drop box (on the first floor of the Rolla Bldg., east side) by 12:30 p.m. on the Friday before the paper comes out.
- Printing of such is a free service of the *Miner*.
- Letters to the Editor must be signed and must include your ID number. Upon request, we can withhold your name from print.
- For *Calendar of Events* submissions, make sure you include sponsor, time & date, and place.
- If you want a notice printed in multiple issues, you must submit it for each issue by the appropriate deadline. Similarly, avoid submitting anything more than two issues in advance.
- *Classifieds* must be at least initialed. For personals, no combination of first and last names will be printed.
- The *Missouri Miner* will not be responsible for correcting your grammar. We will not rewrite flyers.
- The *Miner* will print phone numbers only in business related ads.
- The *Miner* reserves the right to edit or refuse publication of any submitted material that is found slanderous, offensive, or otherwise dishonorable to print.



# news

## Sullivan Categories

By Steven M. Tillman  
Staff Writer

The Sullivan Categories are the methods used to evaluate the U.S. companies in South Africa on how well these companies are complying with the Sullivan Principles. The following categories were developed by the consulting firm of Arthur D. Little in 1984.

### Sullivan Categories

- |              |  |
|--------------|--|
| Category I   | • Making good progress   |
| Category II  | • Making progress  |
| II-A         | • Making progress based on full reporting  |
| II-B         | • Making progress based on a short-form questionnaire available for the first time in 1984 to companies with fewer than 25 employees and less than 50 percent equity in a South African subsidiary |
| Category III | • Needs to become more active  |
| III-A        | • Passed basic requirements for the first three principles but received low point ratings on the other three principles  |
| III-B        | • Does not meet basic requirements of first three principles   |
| III-C        | • Did not submit a report  |
| Category IV  | • Endorsers of the principles that have few or no employees  |
| IV-A         | • Meeting basic requirements   |
| IV-B         | • With no employees  |
| IV-C         | • With 25 or fewer employees   |
| IV-D         | • Holds less than 50 percent equity in its South Africa operation  |
| Category V   | • New signatory  |
| Category VI  | • This category was discontinued in 1984   |
| Category VII | • Signatory with headquarters outside the U.S.   |

## McGill appointed to UM post

Source: University Relations

Columbia, Mo.—James T. McGill, 42, vice president of Oregon Health Sciences University, Portland, was appointed University of Missouri vice president for administrative affairs today by UM President C. Peter Magrath.



James T. McGill

"Jim McGill has a proven record of administrative excellence in higher education. I'm convinced he will continue to expand the University of Missouri's ability to use its resources to provide maximum benefit for all Missourians," Magrath said in making the announcement.

"Not only has he successfully directed a wide range of financial and opera-

tional activities in his present post, he has maintained close liaison with state government and the university's governing board, experiences that will stand him in good stead in Missouri," Magrath said.

McGill, who holds a doctoral degree in operations research from Stanford University, has been Oregon Health Sciences University's sole vice president since 1982. At Oregon McGill is responsible for all internal administrative and operational activities. He joined the university, which has schools of dentistry, medicine and nursing, as well as a hospital, in 1980 as vice president for finance and administration.

## Classes

from page 1

—Music 65, "Music for Elementary Teachers," three credit hours. The course will meet from 6-9 p.m. Mondays Jan. 20 through May 5 in Room 101 of the Old Cafe. Fee for the course is \$147.75.

—Physics 101, "Study of Comets-Halley's," one credit hour. The course will meet from 6-9 p.m. Tuesdays Jan. 14 through April 29 in Room 104 of the Physics Building. Fee for the course is \$49.25.

—Speech and Media Studies 100, "Writing and Editing for Print Media," three credit hours. The course will

meet from 6-9 p.m. Wednesdays Jan. 22 through April 30 in Room 207 of the Mathematics-Computer Science Building. Fee for the course is \$147.75.

—Speech and Media Studies 221, "The Study of Photography," three credit hours. The course will meet from 6-9 p.m. Tuesdays Jan. 14 through April 29 in Room G-9 of the Humanities-Social Sciences Building. Fee for the course is \$147.75.

For more information, contact Dr. Steven Douglas, UMR director of educational services, at 314-341-4131.

## Applications available

Campus organizations interested in a Student Council appropriation may obtain an application from the door of the Student Council Office, 202 University Center-West.

The application must be completed and returned to the Student Council Office by 4:00 p.m. Friday, January 31, 1986. Organizations will be requested to send a representative for an interview with the Campus Organizations' Committee to answer questions about their applications.

## Comet

He added that you could get a pair of binoculars that would serve the purpose beginning at about \$50. "I have seen the comet easily with a 7x 35 pair, although the tail will show up better with 7x 50," he added.

According to Senne, the serious viewer may want a telescope, and in that case, the bigger the instrument they can afford the better. "You can get an adequate 2-inch telescope for \$10 to \$200 or you can buy an 8-inch telescope for on up to \$1,000 to \$2,000."

Senne said. "It all depends on the quality you want."

Even with binoculars, the comet is not expected to be spectacular, according to Dr. John L. Schmitt, UMR research associate professor of physics, Graduate Center for Cloud Physics Research, and an astronomer.

"The comet does not come very close to Earth this time around. At the time it will be brightest, when it is closest to the sun, it will be on the other side of the sun from us. Also it

will be low on the horizon for most locations in the U.S.," he said.

At best, it will not even approach the displays which have terrified people at times throughout recorded history, said Dr. Harry Brown, UMR professor of physics and an astronomer.

"One of its most famous returns was just prior to the Battle of Hastings in 1066, and it was taken as an ill omen for King Harold, who was defeated. In 1456, one of its most favorable returns, it also was regarded as an evil sign."

explained Brown, who teaches a course on comets at UMR. "As recently as its last appearance, in 1910 when the Earth actually passed through the tail of the comet, there were predictions of the end of the world."

If you didn't find a telescope or binoculars under your tree this holiday season, you can still see the comet, if you know when and where to look, the UMR astronomers say.

"If you can see the Milky Way, you

probably will be able to see the comet," Senne said. "But you will need good weather, a moonless night, and a viewing place some distance from any lights with an unobstructed view, since the comet will be low on the horizon. During early January, it can be seen in the evening sky to the southwest about 30 degrees above the horizon. By about Jan. 25, it will disappear behind the sun and will not return to our view until early March, when it will be visible before sunrise."

from page 1

## Hunger Clean-Up set for April

Source: National On-Campus Report

Last spring, students from nine colleges in Grand Rapids, Mich., joined together in a day of community service in a highly successful anti-hunger fundraising event. Inspired by their success, the students are now organizing collegians nationwide for a similar project, called the Hunger Clean-Up, set for April 19, 1986.

The local effort raised more than \$10,000 through hourly sponsorships, by Grand Rapids residents and businesses, of projects ranging from painting buildings to repairing houses and cleaning inner-city parks. The funds are divided between local relief programs and USA for Africa.

In November, the Grand Rapids students wrote to the student government presidents at nearly 5,000 colleges and universities in the U.S., inviting them to begin planning for the April campaign.

## Is loneliness a problem on college campuses?

Source: National On-Campus Report

What kind of students cross campus harnessed by stereo earphones, spend their spare time glued to MTV, video games and computers, and live lives as electronic hermits in the midst of warmblooded, intellectual alternatives?

### Lonely students.

Recent studies have shown that loneliness pervades the college campus, and Richard Booth, professor of psychology at Black Hawk College, warns of "a loss of human potential on a grand scale when students become and remain lonely."

Lonely students, according to Booth, withhold their talents, opinions and personalities, and thus fail to take full advantage of the community of scholarship.

If they are lonely for long, the problem is complicated by depression, and the students reinforce their loneliness by backing off from meaningful interaction.

### What is loneliness?

Our usual concepts of loneliness are faulty. Simply being alone a lot does not constitute loneliness. In fact, Booth says, escaping to a place where one is alone is common and often therapeutic. Furthermore, it is possible to be "buried in relationships" and still be lonely.

Nor is being alone the same thing as being depressed. Although commonly confused, the conditions are different.

Loneliness is a combination of our interpretations and assumptions about life, events and relationships, and the emotions those interpretations and assumptions generate.

Lonely students have negative interpretations and expectations about life. They tend to be more critical and fearful of others, more angry and self-protective than non-lonely students. They assume that people do not want, understand or care about them. They see their relationships as not meeting

their needs, and sometimes lack the skills to change their relations.

Often, lonely students remain lonely because they can't initiate and maintain intimate relations. In conversations with members of the opposite sex, they talk about themselves to the exclusion of the partner's interests. They tend to be much less altruistic and more egocentric—and on campus are given to alcoholism and suicide.

### What to do

- Think of students as whole people, not a collection of test-taking brain cells.
- Accept student loneliness as a real human problem, and reject the idea that it is a weakness or a willfully self-induced isolation.
- Be patient with lonely students. Don't hurry them away because

they are so critical and negative.

- Recognize, and overcome, the tendency you may have for avoiding lonely students because they are "downers."
- Boost lonely students' self-esteem by focusing on their assets and accomplishments, and not their shortcomings.
- If students express their loneliness to you, or if you somehow determine they are lonely, refer them to a counseling center.
- Develop, with the aid of professional counselors, workshops and seminars on loneliness in general, and student loneliness in specific.
- Provide a role model by not being overly critical, and by remaining open to meaningful interaction with colleagues and students.



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## Campus Capsules

Source: National On-Campus Report

Since dating and drinking are two of the more popular student activities on most American campuses, it behooves students to learn to recognize signs of problem drinking in their dates.

Dr. Joseph Pursch, writing in the *Los Angeles Times*, suggests students ask the following questions:

- Have you wondered why drinking is so important to your companion? Has your own drinking increased since the two of you met? Do you sometimes drink when you'd rather not, just to be together?
- Does your partner show up for dates smelling of alcohol? Is there a ready-made excuse why your date "just had to" have a drink with so-and-so?
- Does every occasion begin, and end, with drinks? If there's no alcohol at a party when you arrive, does your companion go to great lengths to get some even though others would just as soon not bother?
- Does your partner urge—or push—you and your friends to join in the drinking, and to go on drinking when others think it's time to quit?
- When you want to discuss something "heavy" or serious, does your companion say "let me get a drink first," or "let me freshen your drink before we get into this?"
- Has your partner ever *not* been drinking before the two of you had sex? Does he or she look uncomfortable or incredulous when you suggest that sometimes you'd like to try it without drinking?
- Can your companion drink amazing amounts and not show the effects?

Dr. Pursch says that if any of the above questions apply, you and your partner need to discuss it. If he or she refuses to discuss it, or if the problem persists after discussing it, your "love boat" is sinking and it's time to jump ship.

### Antics

OPUS THE PENGUIN (a character from the Bloom County cartoon strip) came in second, with 778 votes, in a student election for "Colonel Rebel" at the U. of Mississippi. The student government, however, disqualified Opus, and the students who finished first and third, with 822 and 600 votes respectively, will face each other in a run-off election.

### Greek Life

ALPHA PSI fraternity at Rio Grande College held a 100-hour teeter-totter marathon to raise money for a local child in need of a kidney transplant. Through the efforts of the Greeks, and others, the cost of the operation was covered.

FRATERNITY FACTS: The fraternity with the most members is Sigma Alpha Epsilon with 197,600. The fraternity with the most undergraduate chapters is Omega Psi Phi with 306. The total undergraduate fraternity membership is nearly 400,000. The average four-year cost of fraternity membership is \$225. (Source: The National Interfraternity Conference Inc., 3901 W. 86th St., Suite 280, Indianapolis, IN 46268; 317/872-1112. Statistics given are for 1984-85.)

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By Kevin M  
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# features

## Art classes available to all students

From: Margaret Keller, teacher of  
Art 20— Drawing I  
Art 40— Painting I  
Art 80— Art Appreciation

I am looking for students interested in taking Painting I and Drawing I. The studio art courses Drawing I and Painting I are now available for enrollment. The painting class will be a very exciting exploratory course in many diverse and innovative methods of watercolor painting. Traditional techniques will also be covered along with both realistic and abstract subjects. Students will be encouraged to discover ways to express their own unique creativity. Drawing I will also be offered and the course is designed to make it possible for any individual to increase both their realistic drawing skills and their expressive drawing abilities.



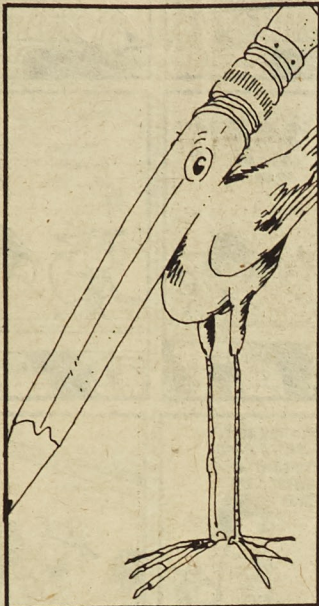
No textbooks or studying will be required. Students enrolled for 14 hours or more may enroll at no additional cost, otherwise the fee is \$147.75 per class. Painting I— Art 40 begins Monday, January 20. The class will meet from 6-9 p.m. in room 205 of the Humanities Social Sciences Building. Drawing I— Art 20 begins Wednesday, January 22 and will meet from 6-9 p.m. in room 204 of the same building. The courses are being offered through the College of Arts and Sciences Continuing Education Department.

## SUB welcomes Deluxury

By Kevin McEnery  
SUB

A hearty and happy welcome back goes out to the entire student population from all your friends here at SUB! Most of you are probably back into the swing of things by now and chances are there are a lot of people who are looking for something interesting to do.

Look no further, because once again, the world famous band "Deluxury" will be stopping in to rock Rolla this Thursday, Jan. 16, at 8:00 pm in Centennial Hall. They play music that most people would describe as belonging to the blues rock genre. A typical show may include hits from the Four Tops, J. Geils, Southside Johnny, and even some originals. The band hails from Chicago where they have a strong following. There they have played with such stars as Robert Plant, of Led Zeppelin fame. According to band mem-



Each class will be worth three credits as a free elective. Contact Steve Douglas in the College of Arts and Sciences to enroll.

The teacher for both classes will be Margaret Keller. She is the only woman artist in Missouri to be accepted as a member of the National Watercolor Society, an honorary organization of outstanding American watercolorists. In 1984, she won both top awards in the juried state-wide exhibition "Watercolor: Missouri". She has received over 25 awards and honors at the area, regional, and national levels. During the year 1985 and in January 1986, her work was one of 30 chosen nationwide to be included in a traveling exhibition to museums and universities across the United States. Keller's paintings are large, realistic, and colorful; often a subtle humor is injected into the work. She received her degree in painting and drawing from UMC.

By Pat Ruth  
Staff Writer

Christmas has come and gone, and here we all are again, eager to study, gather knowledge, and desperately search for a way out. By now you have all those trivial details out of the way—a place to live, classes registered, a roll of quarters for the laundry-mat. Since the basics have been squared away, it's time to get the semester under way for real: with a pop quiz. If you would all be so good as to put your books under your seats and take out a clean sheet of paper. Simply make a check mark next to the statement which is most nearly true (none are ACTUALLY true.) Time limit is ten minutes. No partial credit. Good luck.



### You Know It's a Bad Test If

- You get the results in a plain brown wrapper.
- The paper has an add/drop slip stapled to it.
- Your score comes enclosed in a sympathy card.
- Your professor returns it with a collection of catalogs from other schools.

### You Know You're Flunking the Course When

- The professor giggles every time he calls your name on the roll.
- You get partial credit on a true/false test.
- The professor asks you to sit in the back of the room.
- The meeting time for the class changes, and no one tells you.
- The professor spots you ten points on an eleven point quiz.
- No one tries to look at your paper during a test.

### You Know It's a Touch Class If

- The course syllabus includes the number for the Suicide Prevention Hotline.
- Buzzards habitually circle the classroom.
- The professor is unable to recognize the letter "A".
- The textbook has a Surgeon Gener-

al's warning on the side.

### You Know You've Got a Bad Professor If

- He teaches history from personal memory.
- He asks to borrow your I.D. to go drinking.
- He determines grades using a Ouija Board.
- You see an English dictionary on his desk, and he's not an English teacher.
- His office hours are held from 10-11 p.m. at his apartment.

### You Know You Need a New Room-mate When

- He unpacks his collection of (pick one) AC/DC albums, automatic weapons, deodorants, leisure suits, D & D dice, wanted posters (of himself), pet rocks.
- She asks to borrow your new dress because her boyfriend has already seen her in all your other clothes.
- Your girlfriend starts coming to visit when you're not home.
- He has the lock changed and doesn't tell you.
- He returns your car keys with the explanation "Think of all the money you'll save on gas."



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For more information contact Capt. Dave Guthrie at 341-4203.

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## Good News Department

Here are a few facts people with vision problems will be happy to see.

Virtually the largest and lengthiest study to date on extended-wear soft contact lenses continues to confirm that they are a safe and effective form of vision correction. Extended-wear lenses, as approved by the Food and Drug Administration, are those which can be worn overnight and up to 30 days at a time without removal.

The study followed 1,059 patients for up to six years. All subjects used the Hydrocurve II contact lens by Barnes-Hind, Inc., and were under the care of 63 ophthalmologists and optometrists.

According to Dr. Jerome Legerton of San Diego, Calif., a study participant, "good fitting, periodic professional follow-up care and patient compliance with wearing, cleaning and disinfecting procedures," all are keys to their success.

Here are some simple eye care guidelines recommended by Dr. Legerton:

- Remove the lenses at least once a week or as often as prescribed by your doctor.
- Clean and disinfect the lenses as often as advised by your doctor and always use



Over 3 million people in the U.S. wear extended wear contact lenses. Key to their lens wearing success is following doctors' orders about wearing and overall care.

fresh solutions.

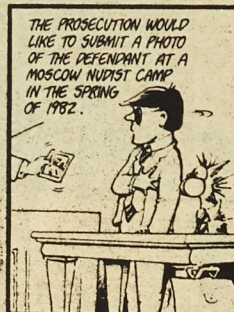
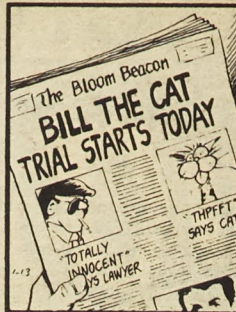
- Try to sleep without the lenses once a week.
- For marginally dry and tired eyes, use a special eye drop solution to lubricate and cleanse lenses while still on the eye.
- If redness or irritation occur remove the lens or lenses immediately and consult your doctor.
- Pay particular care in applying and removing eye makeup. Some brands are labeled as appropriate for contact lens wearers.

### Free Booklet

For a free booklet on good eye care write to: Vision Care Info, Suite 1200P, 110 E. 59th Street, NY, NY 10022.

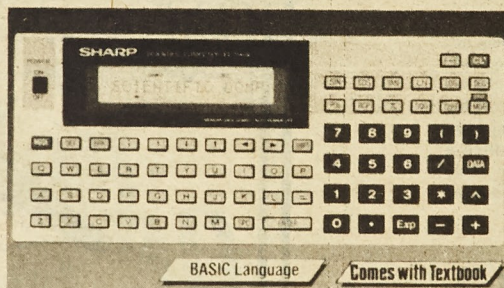
## BLOOM COUNTY

by Berke Breathed



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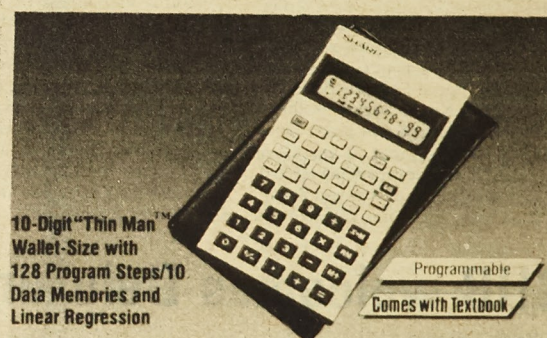
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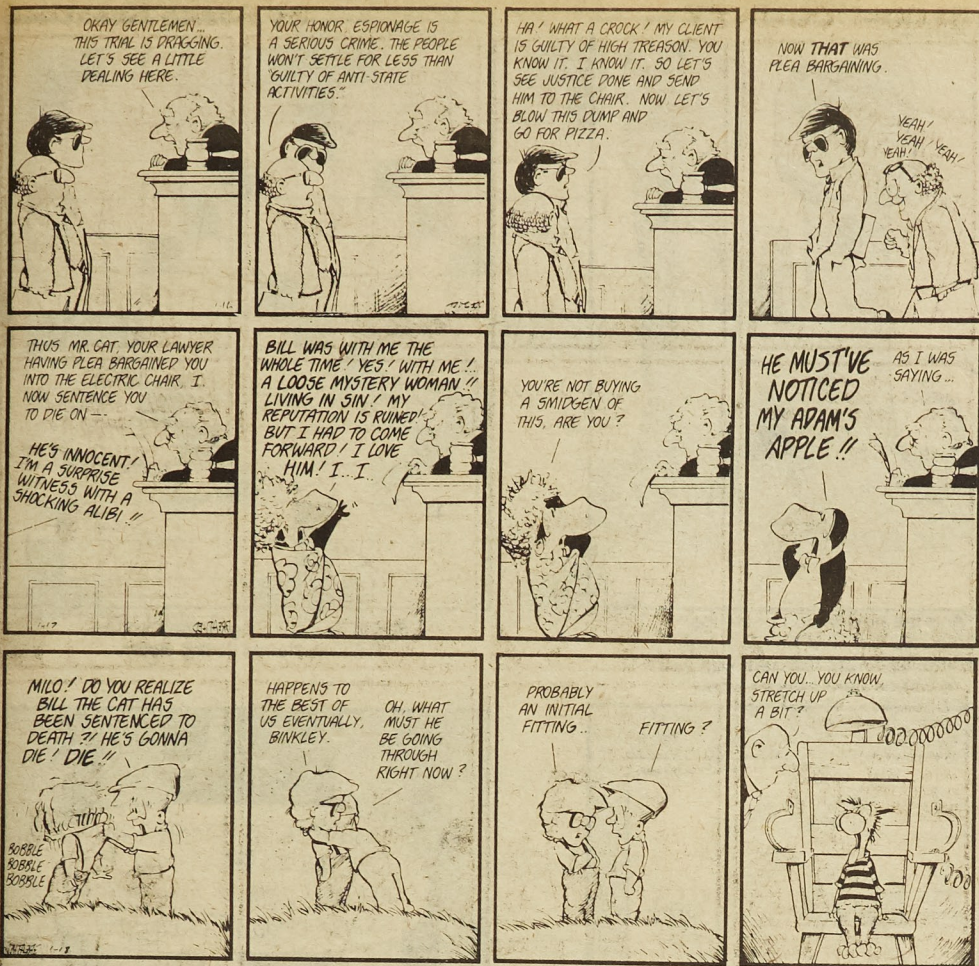
Super scientific calculator with Multi-formula Reserve and 2-variable statistics  
• In addition to performing 61 scientific functions, the multi-formula reserve permits the user to store up to 128 program steps which can be separated in up to 4 independent formulas. These formulas can be accessed independently and the EL-512T will remember them (with memory retention).

### Some Other Great Buys at Campus Bookstore . . .

Model	Suggest Retail Price	Our Price
EL-5500II	99 <sup>95</sup>	79 <sup>95</sup>
EL-5700	64 <sup>95</sup>	49 <sup>95</sup>
EL-506	29 <sup>95</sup>	18 <sup>95</sup>
EL-509	19 <sup>95</sup>	13 <sup>95</sup>

These excellent prices good while supplies last.





## I heard the funniest thing . . .

At a high-school football game, I noticed that many parents were wearing matching T-shirts with their team's symbol on the front. On the back of the shirts were printed sons' and daughters' names. There was "Cheryl's Mom," "Bill's Dad," and so on.

Then I saw two shirts that reflected the growing number of single and dating parents. The woman's T-shirt identified her as "Kathy's Mom." Next to her, cheering enthusiastically, was a man whose matching shirt proudly proclaimed: "Kathy's Mom's Friend."

Contributed by Wanda Gregory

Our 22-year-old son, the last of our five children to leave home, was about to move into his own apartment. I had decided to redecorate his room, and asked him to please get all his things out of it.

## The Board says "Get psyched!"

St. Pat's Facts  
by Troy Leitschuh

On behalf of the St. Pat's Board, I'd like to welcome all students back to the one and only UMR. By this time everyone should be back into the old routines and one easy routine that everybody can do is count down the days until the St. Pat's Celebration. Today, Wednesday January 15th, there are only 57 days left. Not many, huh!! Because there aren't many days left, here is an updated price list for '86 St.

Roger took the news in an apparently blasé manner. Then, as he left the house, he betrayed his real feelings with this pignant farewell: "I'll be back next week to pack up my childhood."

Contributed by Allaire B. Nownes

Question: "What did the jealous computer bug sing to his girlfriend?"

Answer: "Don't sit under the Apple II with anyone else but me."

Contributed by John R. Hanson

My tenth-grade English students had spent several weeks on their research papers, and the moment of truth had arrived — the papers were due. I knew that Gene had not been working very hard on the assignment and that it probably would not be up to standard. When I went to collect it from him, he said, "My dog ate it."

Pat's sweatshirts \$11.50, sweatpants 11.50, youth sweatshirts 9.50, garters 1.00, buttons 1.00, shot glasses 1.50, tumblers 2.50, beer glasses 2.50, huggers 2.00, beer buckets 2.50, baseball caps 3.50.

Also a notice to all organizations: Within the next few weeks, all organizations will be sent applications for 1. Student Knights, 2. St. Pat's Queen Candidates, and 3. New St. Pat's Board Representatives. Please follow the in-

I had heard that excuse dozens of times, so I gave him my best intimidating-teacher glare.

"It's true," he insisted. "I had to force him, but he ate it."

Contributed by Jim De Filippi

Waiting my turn at the bakery, I heard a prospective bride give the cake decorator a hard time as she previewed her wedding cake. She demanded many extras and was critical of the work so far. After she left, he muttered, "I'm glad I put my special golden award on this cake — that young woman is certainly eligible for it."

Curious, I studied the cake closely, but saw nothing. Finally he pointed to the tiny groom atop the cake with his tiny bride — and then I saw it. Barely visible was the "golden award" — a tiny wedding ring inserted in the groom's nose.

structions promptly and things should run smoothly.

If your organization doesn't receive any of the applications, please feel free to contact myself at 364-2314 and we'll try to get you these applications as soon as possible. Read the *Miner* for further details.

Once again I'd like to welcome everyone back and remember there is only 57 days left until the very best St. Pat's Celebration. Get Psyched!!!



## Look to a Classified Ad.

**Help wanted:** Earn \$30-\$50 day, working 1-2 days per week, assisting students applying for credit cards. Call 1-800-932-0528.

**Looking for a ride to or around the Cape Girardeau area,** whenever possible. Will help pay for gas. Please call Terri at 364-8989 or 364-6993.

**Non-Greek or Dorm Students.** Need a place to eat for the semester? Consider the conveniences of Tech-Engine Club. We offer a variety of different meal plans, the food is good and inexpensive, and perhaps most importantly, we offer a social atmosphere in which you can make friends, relax, play sports, and become active in an organization. Come by the club and check us out. We are located across from the EE building. —Tech Engine Club  
"We're more than a good place to eat"

**Two female roommates needed**—Beautiful six bedroom house, new appliances, almost completely furnished, available now. Rent: 5 people—\$97 each plus utilities, 6 people—\$81 each plus utilities. Call 364-8013.

**Osage**—Did you get any over Christmas break?

**J.E.D.**—We're not looking at your shorts.

**Sebeth**—Someone thinks you're beautiful.

**Wanted:** Someone very bad for someone very good.  
—A girl looking for fun

"Whatever you do, don't make them stop."  
—J.W.

**Wanted:** Old dc motors, Monster Magnets, Magnetos, magnetite, maginots, metallic meteorites, and old car, truck, jet, and robot parts. Leave stuff on Hockey Puck and I will pick it up.  
—Wolf

**Dear Alice.**  
Meet you at Micro Works next Wednesday across from Engineering Mechanics building. I missed mousing around with you over break. —Love,  
Billy Ray

## Missouri Miner POSITIONS ARE OPENING UP

### PHOTO EDITOR

Responsibilities include staff organization, darkroom management, staff training. Weekly duties involve communicating with the editors on photo needs, assigning photo and darkroom jobs to photo staff, keeping the darkroom organized and stocked, and attending Miner Board meetings. Applicants must be competent photographers (from camera to darkroom) and capable communicators. They must be enrolled for 12+ hours for WS86 and have a 2.0+ this semester. They should notify us ASAP of intent to apply by calling: Eric Topp or Tom Roth at 364-8577 or the Miner at 341-4235 (leave your name and phone).

### PHOTOGRAPHERS

Responsibilities include regular photography and darkroom work. Experience helps, but we're willing to take rookies. Applicants must have their own 35mm camera. Apply as for photo editor above.

### STAFF WRITERS

Responsibilities include regular researching and writing of news, features and/or sports articles relative to student life. Applicants must be able to handle English pretty well and be ready to work at delving into their jobs. Apply by calling the Miner at 341-4235.

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Welcomes All Back  
with  
**BUSCH**  
on draught

The week according to 2-O-9

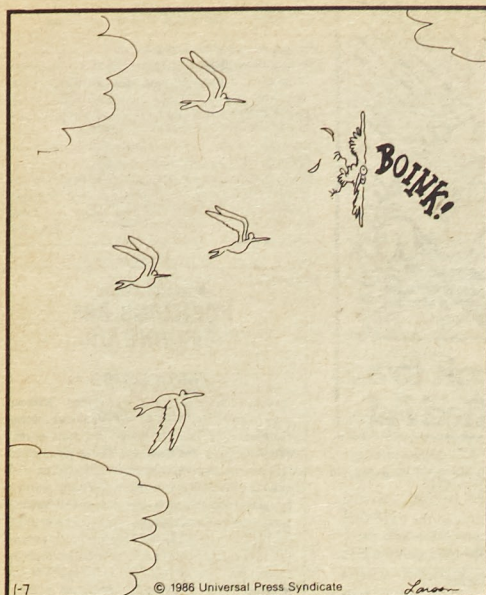
MON	TUES	WED	THURS	FRI	SAT	SUN
Ladies Night	KMNR T-Shirt Night	Pool	Pitcher Night	209 Lab	Schooner Night	
		Darts				

Proprietor: Bob Struckmeier  
Tenders: Marty, Paula, Leslie & Dave

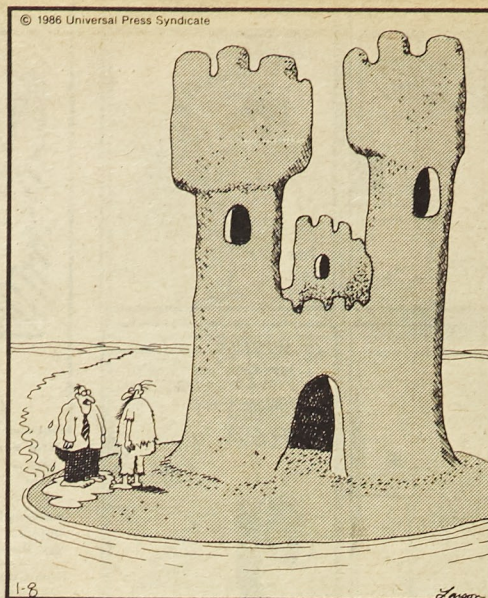


THE FAR SIDE

By GARY LARSON



When migration routes encounter the window of vulnerability



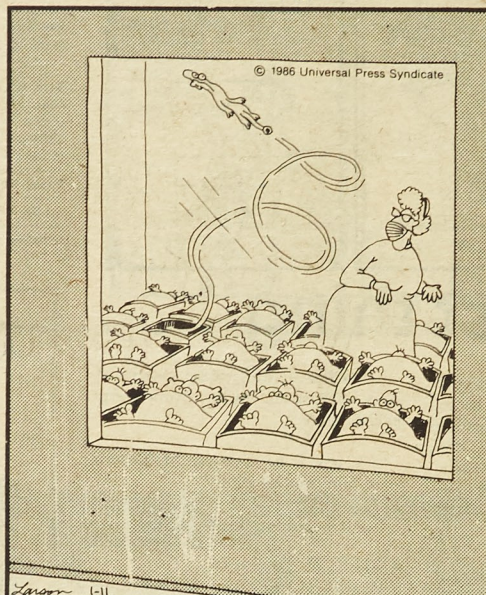
"And the next thing I knew, the whole ship just sunk right out from under me. So what's the deal with you? ... You been here long or what?"



Still in its early stages, the Olduvai Pothole claims its first victim.



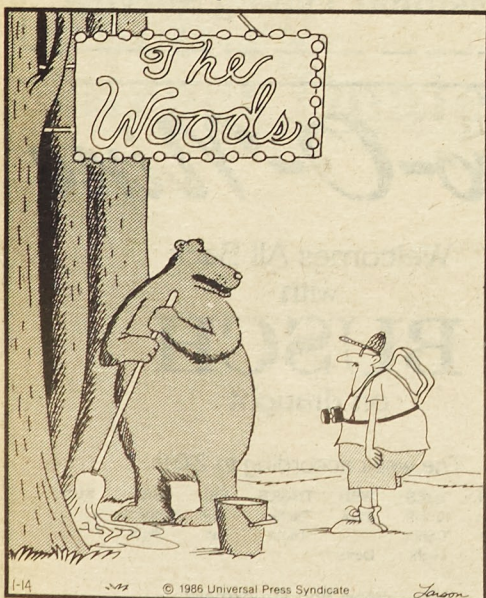
"For heaven's sake, Lee. That spoiled rhino is going to either bellow or charge the door all night till we let him in."



Belly button slipknots.



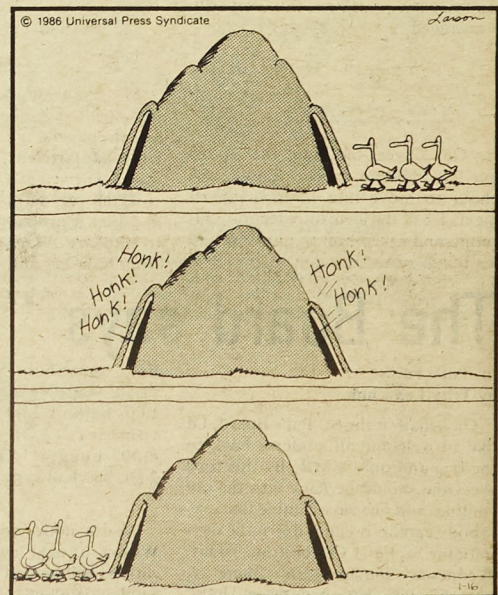
Gross stories



"Hey, look No. 1, we're closed, No. 2, I only work here, and No. 3, we don't like your kind in here anyway."



Practical jokes of the wild



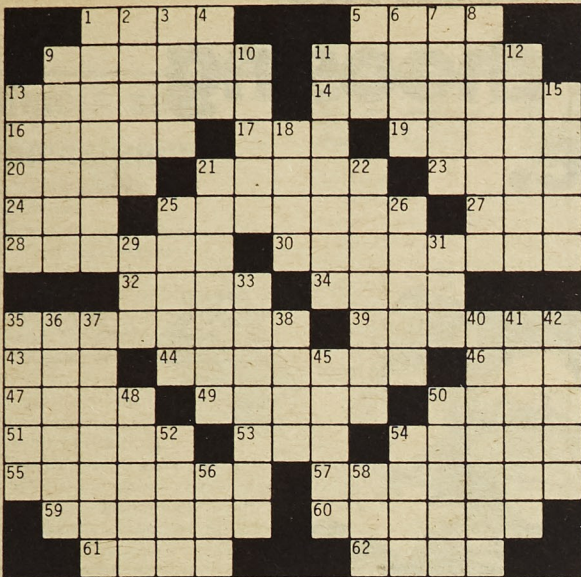
Whenever geese pass through tunnels



# collegiate crossword

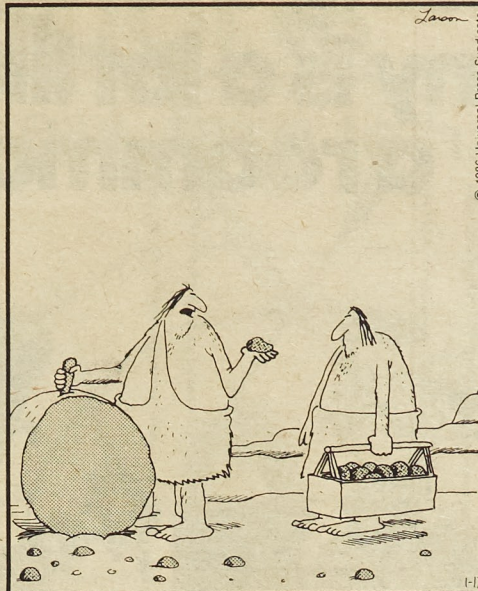
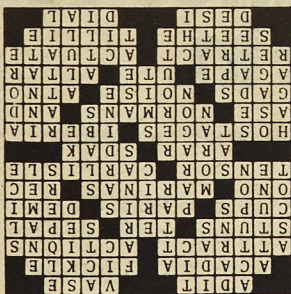
THE FAR SIDE

By GARY LARSON

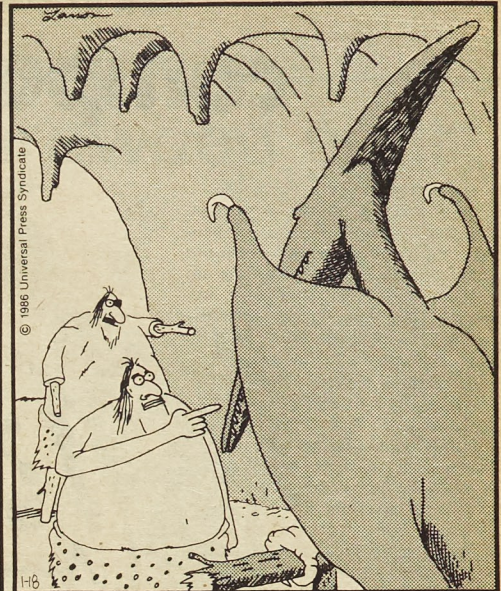


© Edward Julius Collegiate CW84-5

- ACROSS**
- 1 Mine passage
  - 5 Flower container
  - 9 Former French colony in Canada
  - 11 — finger of fate
  - 13 Perform like a magnet
  - 14 Legal proceedings
  - 16 Overwhelms
  - 17 Prefix: three
  - 19 Flower part
  - 20 Water cooler need
  - 21 Achilles' murderer
  - 23 Prefix: half
  - 24 Yoko —
  - 25 Harbors for yachts
  - 27 — room
  - 28 Stretching muscle
  - 30 Jim Thorpe's school
  - 32 Sandarac tree
  - 34 Pierre's state (abbr.)
  - 35 Ransom victims
  - 39 Spain and Portugal
  - 43 Peer Gynt's mother
  - 44 Mailer and Thomas
  - 46 Third most common written word
  - 47 Pointed mining tools
  - 49 Racket
  - 50 Element datum (abbr.)
  - 51 Open-mouthed
  - 53 Shoshonean
  - 54 — boy
  - 55 Withdraw a statement
  - 57 Put into action
  - 59 Boil
  - 60 "Pete and —"
  - 61 Member of former show-biz couple
  - 62 Part of many phones
- DOWN**
- 1 Get going (2 wds.)
  - 2 Fixes
  - 3 Lupino and Cantor
  - 4 Twitch
  - 5 Morrow or Wertz
  - 6 Bible book
  - 7 Had winter fun
  - 8 Gretna Green visitors
  - 9 Bring into harmony
  - 10 Perfume
  - 11 "Our Gang" member, et al.
  - 12 Tooth part
  - 13 Type of tie
  - 15 Golf shot
  - 18 Early explorer
  - 21 — Park
  - 22 Canned fish
  - 25 Actress Erin —
  - 26 Quarry units
  - 29 College entrance exam
  - 31 I like —
  - 33 Bypass
  - 35 Mother of Ishmael
  - 36 Indians or oranges
  - 37 Calmed
  - 38 Destroyed (obs.)
  - 40 Deep sea fish
  - 41 Inherent
  - 42 Worship
  - 45 "Take —"
  - 48 Binge
  - 50 Bird feathers
  - 52 Food
  - 54 Gudrun's king
  - 56 Antepenultimate
  - 58 "El —"



"So what's this? I asked for a *hammer*! A hammer! This is a crescent wrench! ... Well, maybe it's a hammer. ... Damn these stone tools."



"Don't be 'fraid, Dug. Me teach him sit on finger. ... Closer, Dug, closer."

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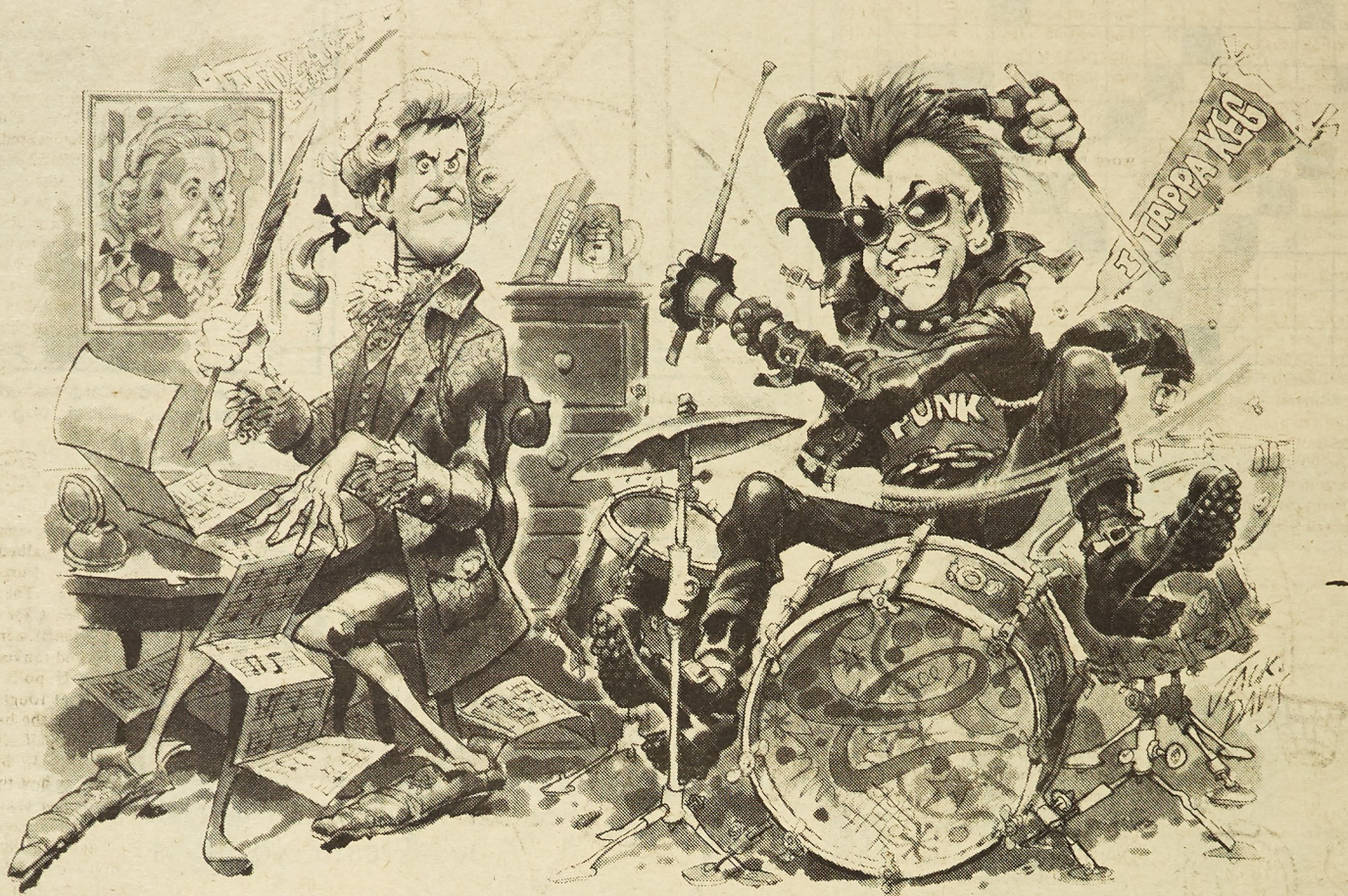
**The More You Buy, the More You Can Win!**

Ask at Campus Bookstore for complete details.





# Choosing a long distance company is a lot like choosing a roommate.



## It's better to know what they're like before you move in.

Living together with someone for the first time can be an "educational" experience.

And living with a long distance company isn't any different. Because some companies may not give you all the services you're used to getting from AT&T.

For instance, with some companies you have to spend a certain amount before you qualify for their special volume discounts. With some others, voice quality may vary.

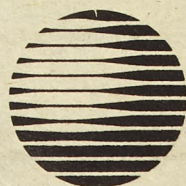
But when you choose AT&T, there won't be any surprises when you move in. You'll get the

same high-quality, trouble-free service you're used to.

With calls that sound as close as next door. Guaranteed 60% and 40% discounts off our Day Rate—so you can talk during the times you can relax. Immediate credit for wrong numbers. Operator assistance and collect calling.

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# sports

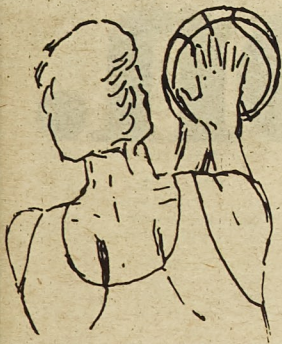
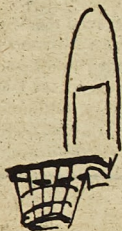
## Miners seek consistency

By Mark Buckner  
Staff Writer

It was almost a fantastic week for the Miner basketball team.

After losing, 83-77, to Abilene Christian, the Miners began their conference schedule against the SEMO Indians. The Miners played a near-perfect game in upsetting the Indians, 80-67, in what was a barn-burner of a game until the final two minutes of the contest when SEMO was too far behind to catch up.

The reasons this game is considered an upset are numerous. First, SEMO was the pre-season pick to win the MIAA conference. Second, SEMO has most of its players back from last season's 24-6 team, the team that made it to the quarterfinals of the NCAA Division II tournament. The final reason is that the Indians are like the Chicago Bears when they play UMR. The Indians have won 90 out of 122 games against the Miners in their series and it had been over two years since the last time UMR defeated SEMO. That was



until last Wednesday.

The star of the game had to be Bill Walker, who played the best game of his life, scoring 24 points, 12 in each half. It was a career high in a Miner uniform for the smooth, soft-shooting guard.

"It was the best total game he's ever had in a UMR uniform," said head Coach Billy Key. "He played a great floor game."

"We knew we had to play very well to beat them," Key said. "We shot the ball well, we committed a minimum amount of turnovers, and our defense did a good job." Key also said it was the best game the Miners have had all year.

Both clubs were almost identical in their field goal shooting. The Miners shot 60 percent (29 of 48) while the Indians shot 55 percent (27 of 49). But what really proved to be the difference was that the Miners had one of their best nights from the foul line while the Indians shot very poor from the line. see Men's basketball page 15

## Lady Miners take to hardwood court.

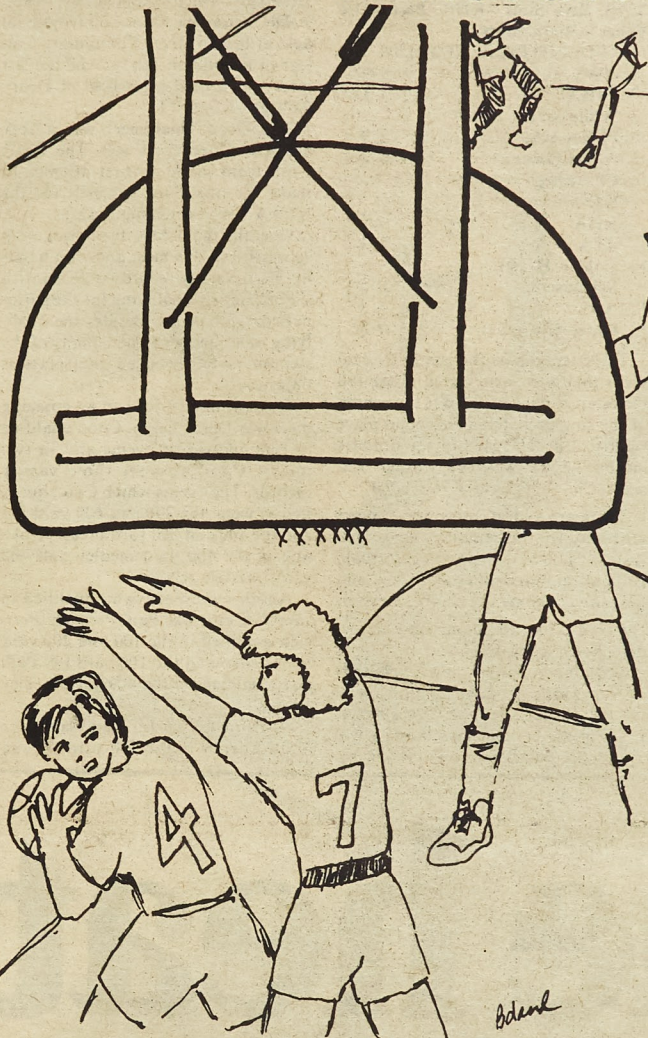
by Woody

Welcome back. While most of us were enjoying Christmas break the Lady Miners were in Rolla pounding the courts to get ready for three tough opponents to start the new year off. In all three of the games the Miners played good, explosive ball for most of the game, unfortunately the key word here is 'most'.



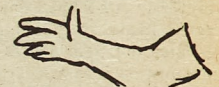
On January 4, the women hosted the Abilene Christian Wildcats, led by Claudia Schleyer averaging 26.3 points a game. Tanya Hough started the white squad by knocking in her patented baseline jumper and making the foul shot. The Miners and the Cats were nip and tuck till the 12 minute mark in the first half when AC started expanding a 25-22 lead. Just when the girls began a comeback stretch the foreigners forced a few critical turnovers and suddenly the Miners were looking at an 11 point gap.

The Miners came out of the locker room at half determined to eliminate the Wildcats 42-33 lead, but the Texans would have no part of that. Schleyer, who had been relatively quiet the first half, went into action as the Miners were outscored 12-2 and the visitors lead was increased to 57-39. The Miners broke the scoring streak but were unable to make any headway until the Abilene 6'3" center fouled out. Tanya 'Tank' Hough came alive as the Miners exploded to cut the lead down to 12.



The Texas coach realizing the tide had turned quickly called a time out and put a resting Schleyer back into the game. The Miners desperately tried to beat the clock and put this one in the win column but the Wildcats held their composure and took the bus back to Texas with a 93-71 win.

Schleyer scored 31 points to pace the Wildcats 52 percent shooting which put four starters in double figures. Tank led UMR with 22 points, most of which she muscled in as the Miners made the run at the Cats. Susan Mullins had 13 points and 6 boards to go with Tanya's 9 rebounds. Terri 'Fig' Newton added 12 tallies and Tina Robinson, playing her first game in Miner shorts, threw in 11. The Miners played balanced ball and got a very good defensive effort led by Missy Warfield.



Wednesday night before school started SEMO walked into the Gale Bulman Multi-Purpose Building to begin MIAA play. The Otahkians, (I think that's how Cape liberal arts majors spell Indians) were picked to win the MIAA and ranked sixth in the NCAA division II polls. The Miners played their usual tough exhausting defense and moved the ball well to stay close in the first half. SEMO ended the half leading 40-36, but were certainly remembering how the Miners upset them in Rolla last year. However it wasn't to be. The Miners, instead of playing their game in the second half, let the Indian's press get under their skin and turned the ball over 15 times. The Cape team capitalized and got an important conference win, 87-69.

see Lady Miners page 16

# AM HIGH

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## Vomen's intramurals spring into action.

By Renee Polowy  
Staff Writer

The standings for all womens intramural teams have been tallied for events in the fall semester.

### CUMULATIVE POINTS

578.5	1. AWS
485.5	2. Chi Omega
392	3. KD
360	4. Alpha Omega
347	5. RHA
286.5	6. Golden Hearts
274	7. ZTA
258.5	8. Pi KA L.S.
252.5	9. White Stars
240	10. TJHA
216.5	11. Stardusters
140	12. GDI
98	13. Order of the Sun
30	14. ABS

During the last intramural managers meeting the managers selected AWS as "Team of the Week" for their outstanding play in volleyball. The championship game which consisted of "TJ vs AWS" was one of the best games I have seen. Both teams played exciting ball. Somehow AWS was able to come back to win the match after losing the first game 15-3. The second and third game were very exciting as TJ had a lead, but AWS never gave up and scrambled their way back to win. In the consolation game, White Stars won by defeating Pi KA L.S.

The managers also selected three students as the "Athlete of the Week." Each of these athletes are all graduat-

ing and played well for their respective organizations. They are: Lisa Klump—AWS, Beth Sims—RHA, Bernadette Yuhas—White Stars.

### VOLLEYBALL RESULTS

1. AWS	8-0
2. TJHA	7-1
3. White Stars	
Pi KA L.S.	5-3
5. Alpha Omega	4-2
6. Chi Omega	
KD	
RHA	
ZTA	3-3
10. Golden Hearts	
Stardusters	2-4
12. ABS	1-5
13. Order of the Sun	0-6

Table tennis was the last individual sport that was participated in the fall semester. Alpha Omega was the winner of the singles match and second place went to Chi Omega. For the doubles match—AWS was the winner and again Chi Omega came in second.

There are a lot of intramural sports scheduled for this semester. Basketball is starting now, with bowling, softball, badminton, horseshoes and track and field soon to come later in the semester.

I would like to encourage the student body to let me know if there is any womens sports news, whether about a particular game of athlete you feel that should be printed in the paper. If so, please contact myself and I will follow up on the potential news item.

## Swimmers shine, set new records

By Dale Heuser  
Staff Writer

Since the publication of the last Miner, the UMR swim team has had three swim meets. The first meet was the Drury College—Eastern Kentucky-Southwest Missouri—UMR Quad Dual meet which was held Dex. 6 and 7. The second meet was an invitational held at Indian River Community College in Florida on Jan. 2. And the last meet was a dual meet held at Drury College on Jan. 11.

The Quad Dual meet was a very important meet for UMR. The UMR swim team made its first attempt to make the qualifying stadards for the NCAA national championships.

Overall, the UMR team was very successful in this meet and won handily. Four varsity records were set with six individuals qualifying for the national championships. Besides the qualifying times being reached, many of the swimmers experienced their fastest times every.

One swimmer who had an amazing meet was Derek Coon. Coon qualified in four individual events and in two relays. Coon also set three varsity records. The events which Coon qualified in were: the 200 and 400 yard IM and the 100 and 200 yard breast stroke and in the 400 yard medley and 400 yard freestyle relays.

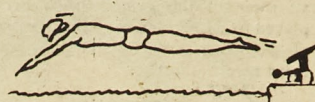
Another swimmer who qualified in several events was Paul Pericich. Pericich qualified in the 100 and 200 yard backstroke and the 100 yard fly. Paul also qualified on the 400 yard medley relay.

Also qualifying for nationals were Scott Carney in the 100 yard fly and

400 yard freestyle relay.

Jon Staley won both the one and three meter diving events and qualified for nationals in the one meter competition.

The Medley relay, which qualified for nationals, was composed of Paul Pericich, Derek Coon, Scott Carney and Martine Rodseth. The 400 yard freestyle relay not only qualified for nationals, but also set a varsity record. The freestyle relay was composed of Danny Mattle, Scott Carney, Martine Rodseth, and Derek Coon.



Many of the other swimmers had either personal best times, or best times for the year. Steve Goodell turned in personal best times in the 500 and 1650 yard freestyle events. Also swimming well in the freestyle events was Mark Wultig in the 200 and 500 yard freestyle events.

In the shorter distance freestyle events, Joe Lundeen and Kurt Koelling experienced personal best times in the 50, 100 and 200 yard freestyle events.

Chris Aria, who is back after taking last year off, had a good time in his 100 yard backstroke and looks like he will be coming back strong second semester to make his qualifying times for this year's nationals.

Craig Erzen had a really good showing in the breaststroke events. Craig broke a minute for the first time ever in the 100 yard breaststroke, and also had a really good time in the 200 yard

breaststroke.

Danny Mattle had good times in the 50, and 100 yard freestyle events and also in the 100 yard fly. Danny is very close to making all three of his qualifying events.

The UMR team has two freshmen on this years team who have shown remarkable improvement. First, Rich Blais has consistently been dropping his times in all of his events. Also, Steve Pasco has been a pleasant surprise to this years team. Steve had his personal best times in both the 100 and 200 yard breaststroke events. Steve surprised everybody in the 200 yard breaststroke, finishing with a time of 2:15.33. Steve is also close to making the qualifying standards in the 50 yard freestyle.

The second meet the UMR swim team had was held during their Christmas training trip. The results of this meet will be mentioned in the feature article about the swim team's train trip in next week's **Miner**.

The last meet that the Miners had was held on January 11 at Drury College.

Over the last three years, the Miners have consistently beaten Drury at the UMR pool, but have never beaten Drury in their own pool. This meet put an end to that tradition. The Miners defeated Drury in their own pool by a score of 70 to 41.

This weekend the Miners will travel to Southwest Missouri to take on the Bears at their home pool. On the following weekend, the UMR swim team will host Eastern Illinois. Competition will begin at 2 p.m. on Saturday at the Bullman Multi-Purpose building.

# The heat is on.

This summer may be your last chance to graduate from college with a degree *and* an officer's commission. Sign up for ROTC's six-week Basic Camp now. See your Professor of Military Science for details. But hurry. The time is short. The space is limited. The heat is on. BE ALL YOU CAN BE.

## ARMY RESERVE OFFICERS' TRAINING CORPS

Intra

By John Schw

Now that Christmas is back into the favorite spring semester's sports, wrestling, basketball, and track working out

Date	Time
1/13	7:45
	8:45
	9:45
	10:45
1/15	6:15
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	9:15
	10:15
1/16	7:45
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1/20	6:15
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2/17	9:00
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	8:15

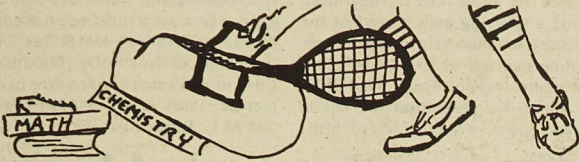


# Intramurals provide relief

By John Schwarz

Now that you are back from the Christmas vacation, it's time to get back into shape and ready for your favorite spring intramural sport. This semester's sports include: basketball, wrestling, bowling, softball, badminton, and track & field. So let's start working out and "thank God for intramurals."

The first intramural managers meeting of 1986 is scheduled for tonight, Jan. 15, at 5:30 pm with team rosters due. Intramural basketball began this week with play continuing through the month of February. Please note the following basketball schedule:



1986 Intramural BASKETBALL Schedule

Date	Time	Court 1	Court 2
1/13	7:45 8:45 9:45 10:45	Sig Tau Gamma vs. Theta Xi TJ-South vs. Pi Kappa Phi Campus vs. AF-ROTC Tec vs. Sigma Chi	Delta Tau Delta vs. CSA Triangle vs. Army-ROTC TJ-North vs. Kappa Sigma Sigma Phi Ep vs. Sigma Pi
1/15	6:15 7:15 8:15 9:15 10:15	*TJHA vs. *Pi KA L.S. Alpha Omega vs. Vets Kappa Alpha vs. ISC RHA vs. BSU Pi Kappa Alpha vs. Phi Kappa Theta	*RHA vs. *Order of the Sun CCH vs. Delta Sigma AE Pi vs. VSA TKE vs. La Chi Alpha Sigma Nu vs. Beta Sigma
1/16	7:45 8:45 9:45 10:45	*Stardusters vs. *ZTA *Golden Hearts vs. *GOI TJ-North vs. Campus Sigma Pi vs. Kappa Sigma	*White Stars vs. *Chi O *KD vs. *Alpha Omega Sigma Phi Ep vs. Sigma Chi Tec vs. AF-ROTC
1/20	6:15 7:15 8:15 9:15 10:15	VSA vs. Delta Sigma TKE vs. RHA Beta Sigma vs. La Chi Alpha Delta Tau Delta vs. Sig Tau Gamma Triangle vs. CSA	AE Pi vs. ISC Pi Kappa Alpha vs. BSU Sigma Nu vs. Phi Kappa Theta TJ-South vs. Theta Xi KA Psi vs. Army-ROTC
1/22	6:15 7:15 8:15 9:15 10:15	*White Stars vs. *Stardusters *ABS vs. *GOI *RHA vs. *Alpha Omega Army-ROTC vs. CSA CCH vs. Alpha Omega	*Golden Hearts vs. *ZTA *TJHA vs. *KD *AWS vs. *Order of the Sun KA Psi vs. Pi Kappa Phi Kappa Alpha vs. Vets
1/23	7:45 8:45 9:45 10:45	Phi Kappa Theta vs. BSU Tec vs. TJ-North Sigma Chi vs. AF-ROTC TJ-South vs. Delta Tau Delta	Sigma Nu vs. La Chi Alpha Sigma Pi vs. Campus Sigma Phi Ep vs. Kappa Sigma Triangle vs. Sig Tau Gamma
1/27	7:45 8:45 9:45 10:45	*Order of the Sun vs. *Alpha Omega Kappa Alpha vs. CCH ISC vs. Vets Pi Kappa Alpha vs. TKE	*AWS vs. *Pi KA L.S. VSA vs. Alpha Omega AE Pi vs. Delta Sigma Beta Sigma vs. RHA
1/28	7:15 8:15 9:15 10:15	*Golden Hearts vs. *White Stars *ABS vs. *Chi O Triangle vs. TJ-South Pi Kappa Phi vs. Theta Xi	*GOI vs. *ZTA *RHA vs. *TJHA Army-ROTC vs. Sig Tau Gamma KA Psi vs. CSA
1/30	7:45 8:45 9:45 10:45	Army-ROTC vs. TJ-South CSA vs. Sig Tau Gamma Sigma Pi vs. Tec Kappa Sigma vs. Campus	Sigma Phi Ep vs. AF-ROTC KA Psi vs. Theta Xi Sigma Chi vs. TJ-North Pi Kappa Phi vs. Delta Tau Delta
2/3	9:00 10:00	Beta Sigma vs. Pi Kappa Alpha La Chi Alpha vs. RHA	Phi Kappa Theta vs. TKE Sigma Nu vs. BSU
2/4	7:15 8:15 9:15 10:15	*ABS vs. *ZTA *Pi KA L.S. vs. *KD VSA vs. Kappa Alpha Delta Sigma vs. Alpha Omega	*Order of the Sun vs. *TJHA *AWS vs. *Alpha Omega ISC vs. CCH AF Pi vs. Vets
2/6	7:45 8:45 9:45 10:45	Theta Xi vs. Delta Tau Delta Sigma Chi vs. Sigma Pi AF-ROTC vs. TJ-North *GOI vs. *White Stars	KA Psi vs. Sig Tau Gamma Kappa Sigma vs. Tec Sigma Phi Ep vs. Campus *Chi O vs. *Stardusters
2/10	7:45 8:45 9:45 10:45	Vets vs. CCH Phi Kappa Theta vs. Beta Sigma BSU vs. TKE Pi Kappa Phi vs. Triangle	AE Pi vs. Alpha Omega La Chi Alpha vs. Pi Kappa Alpha Sigma Nu vs. RHA CSA vs. TJ-South
2/11	7:15 8:15 9:15 10:15	*Chi O vs. *Golden Hearts *ABS vs. *Stardusters *Alpha Omega vs. *TJHA ISC vs. VSA	*ZTA vs. *White Stars *Pi KA L.S. vs. *RHA *AWS vs. *KD Delta Sigma vs. Kappa Alpha
2/13	7:45 8:45 9:45 10:45	Kappa Sigma vs. Sigma Chi Campus vs. Tec Pi Kappa Phi vs. Army-ROTC Sig Tau Gamma vs. TJ-South	AF-ROTC vs. Sigma Pi Sigma Phi Ep vs. TJ-North Theta Xi vs. Triangle KA Psi vs. Delta Tau Delta
2/17	9:00 10:00	La Chi Alpha vs. Phi Kappa Theta RHA vs. Pi Kappa Alpha	BSU vs. Beta Sigma Sigma Nu vs. TKE
2/18	6:15 7:15 8:15 9:15 10:15	*Chi O vs. *GOI *ABS vs. *White Stars *KD vs. *RHA Delta Sigma vs. ISC Alpha Omega vs. Kappa Alpha	*Stardusters vs. *Golden Hearts *Pi KA L.S. vs. *Order of the Sun *AWS vs. *TJHA Vets vs. VSA AE Pi vs. CCH
2/19	6:15 7:15 8:15 9:15 10:15	TKE vs. Beta Sigma AF-ROTC vs. Kappa Sigma TJ-North vs. Sigma Pi CSA vs. Pi Kappa Phi Delta Tau Delta vs. Triangle	Sigma Nu vs. Pi Kappa Alpha Campus vs. Sigma Chi Sigma Phi Ep vs. Tec Theta Xi vs. Army-ROTC KA Psi vs. TJ-South
2/20	6:15 7:15 8:15 9:15 10:15	Vets vs. Delta Sigma CCH vs. VSA Theta Xi vs. CSA Delta Tau Delta vs. Army-ROTC BSU vs. La Chi Alpha	Alpha Omega vs. ISC AE Pi vs. Kappa Alpha Sig Tau Gamma vs. Pi Kappa Phi KA Psi vs. Triangle RHA vs. Phi Kappa Theta
2/24	6:15 7:15 8:15	*ZTA vs. *Chi O *ABS vs. *Golden Hearts *KD vs. *Order of the Sun	*Stardusters vs. *GOI *Alpha Omega vs. *Pi KA L.S. *AWS vs. *RHA

## Men's basketball

from page 13

SEMO was only 13 of 23 from the line (57 percent) while UMR made 22 of 26 (85 percent).

The Indians got off to a rough start. After their loss to the Miners, their record slipped to 7-5, and it almost went to 7-6 after NWMO gave them a scare last Saturday, but SEMO won the game, 67-66.

The Miners were also due for a win over the CMSU Mules, and it almost happened. The Miners had a five point lead at halftime and were still ahead with 7:30 to play.

With 7:30 left in the game, an offensive rebound by Moellenhoff off a missed shot resulted in a controversial call that gave the Mules momentum

and the lead.

After Moellenhoff got the ball, he jammed the ball through the basket that would have given the Miners a three point lead and lots of momentum. The huge crowd of students and area citizens jumped to its feet after the slam. Then the officials stopped play and disallowed the basket because they said Moellenhoff touched the ball while it was in the cylinder of the rim.

The Mules scored seven straight points to go ahead, 59-53 and went on to win, 67-59.

UMR, 5-8 overall and 1-1 in the conference, plays at UMSL tonight. The next home game is Saturday against NEMO.

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# Tae Kwan Do prepares for another successful season

By Timothy Reno Venverloh

Every semester, the UMR Tae Kwon Do team makes impressive headlines in our own school paper about their various victories and ongoing growth. Many people however, have brought to my attention the fact that they would like to know more about where the art of Tae Kwon Do originated and why. This article will strive to enlighten these people.

The art of Tae Kwon Do originated in Korea around the 1300's. The words "Tae Kwon Do" translate simply to

"hand and foot art". Tae Kwon Do emphasizes leg techniques compared to Karate which studies hand techniques and lower stances, and Kung Fu which uses flowing circular movements. Besides self-defense, Tai Kwon Do strives to teach the student many other things such as how to strengthen the body, clear one's mind for better concentration, and respect for all life.

In the late 1950's, Tae Kwon Do was first taught in the United States by Master Jhoon Rhee, and he is now considered the Father of United States

Tae Kwon Do. Around the 1960's Tae Kwon Do took on a new dimension and became a competitive athletic sport. Tae Kwon Do is being taught in over 100 nations and claims a population of approximately 20 million. Soon, Tae Kwon Do will reach its ultimate height when it becomes a demonstration sport in the 1988 Olympics. However, Tae Kwon Do has already been a part of other major athletic competition such as the Pan Am Games, Asia Games, Junior Olympics, World Games and the National Olympic Festival.

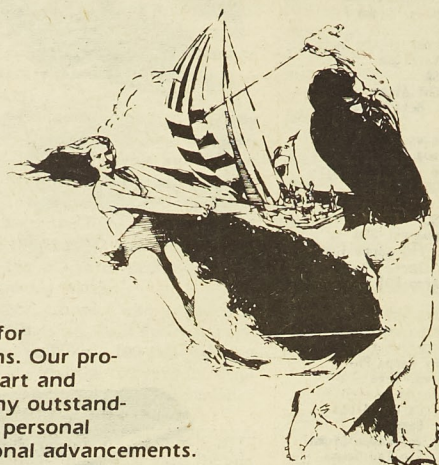
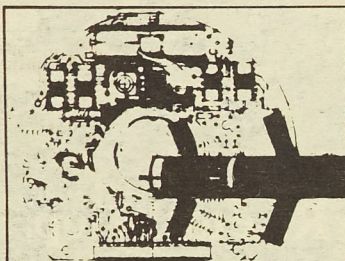
As stated earlier, Tae Kwon Do was originally designed for self-defense and relied on one quick, decisive blow to the attacker. But recently, due to the advancement of kicking techniques and the beginning of athletic competition a "hogoo" or chest protector was designed to allow safe competition. During a sparring match most of the points are scored on the hogoo. There are nine degrees of black-belt and eight degrees under black. The UMR Tae Kwon Do team uses the colors white, yellow, orange, green, blue,

brown, and black. UMR Tae Kwon Do meets every Monday, Wednesday, and Friday from 3:45 to 5:30 behind the North bleachers. The club will give demonstrations to interested organizations and the club is open to all students, faculty, and beginners. I urge you to come and watch our club during our first open practice on Wednesday 15, at 3:45. The UMR Tae Kwon Do team Advisor is Dr. D.C. Look. For more information feel free to contact Dr. Look at 341-4619 or in Rm 204 M.E. Bldg.

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OUR COMPANY REPRESENTATIVES WILL BE ON CAMPUS  
**WEDNESDAY, JANUARY 29, 1986**  
CONTACT YOUR COLLEGE PLACEMENT OFFICE FOR DETAILS.

We are seeking individuals with degrees in the following areas:

**Electrical Engineering**  
(BS/MS/PhD)

**Mechanical Engineering**  
(BS/MS)

**Engineering Physics/Optics**  
(BS/MS/PhD)

**Computer Science/Engineering**  
(BS/MS)

**Systems Engineering**  
(BS/MS)

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**ATE Design/Test**

**Advanced Radar & RF Systems**

**Systems Design Requirements**

**VLSI/LSI Design**

**Software Design and Analysis**

**Mechanical Design and Analysis**

**Logistics/Products Support**

**Electro-Optics Systems**

**Guidance, Controls and Aerodynamics**

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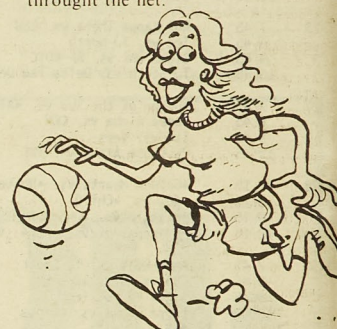
**MARTIN MARIETTA**

## Lady Miners

from page 13

Tanya again led the Ladies with 21 points and 11 rebounds. Susan Mullins swished 10 points and hauled in 8 rebounds and Stacey Stover grabbed 4 boards to help Tank out on the front line. Terri 'Fig' Newton figured 18 counters and 7 rebounds. SEMO got most of their scoring from the double punch of Colon and Blisset with 25 and 27 each.

Last Saturday CMSU was in town. The Mules won the NCAA Division II two years ago but since have lost 2 starters, one of which was an All-American, and have a new coach. The Miners played a terrible first half, only scoring 20 points to CMSU's 35. We were able to move the ball down the court but it just wouldn't drop through the net.



Coach Mary Ortelée woke the team up from the nightmare at half but the Ladies couldn't overcome the first half deficit. The women unloaded 19 points on the Jennies in a 2 minute burst but just as the momentum began to swing the whistle seemed to take it away. The women Mules toed the foul line 32 times in the second half. The home squad was within 10 and closing 70-60 with 3:24 left in the game but just couldn't get over the edge as time slipped away. Final score 82-66.

Susan Mullins was in old form leading the Miner scoring with 17. 'Fig' had 16 and Tanya 15 points and 10 rebounds.

After the game Coach Mary Ortelée said, "We weren't mentally prepared to play the first half."

The loss drops UMR to 3-7 and 0-2 in MIAA play. The Ladies should be 8-2 but have forgotten how to win. The loss to CMSU was especially bitter because UMR can be the better team but seems to forget for just a few critical minutes how to execute. Next Wednesday the Miners face the UMSL Riverwomen in St. Louis.

The loss of the home court advantage won't matter much since UMR doesn't support its varsity sports, which is sad since both the men and women can be contenders in the conference. Fans can't play the game but they can affect the outcome, so let's pack the house against NEMO next Saturday, 5:30 pm and raise some hell to get the Miners back on the winning track.

Following Spring 1986 etc., will

JANUARY 28 Ingersoll R

JANUARY 29 Ford Motor CTE

JANUARY 30 Anheuser Bu Citi Corp. Ford Motor

JANUARY 31 Marville O'Brien & R.A. Behrma Westinghouse

FEBRUARY 3 Dowell Schl Texas Utili

FEBRUARY 4 ALCOA Allied Bend AT&T

FEBRUARY 5 A.E. Staley Allied Bend AT&T

FEBRUARY 6 Conoco-Petro Goodyear Ae Granite City Procter & G

FEBRUARY 7 Allied Bend Emerson Ele E-Systems Hewlett Pack Marathon P

FEBRUARY 8 Conoco, Inc General Moto Lever Brothe Olin Corp. Rockwell Int Shell Oil U.S. Marine

FEBRUARY 9 Black & Veat Conoco, Inc General Moto Lever Brothe U.S. Gypsum U.S. Marine

FEBRUARY 10 Frito Lay Square D-Cec Texas Easter Wisconsin Po

FEBRUARY 11 Hughes Aircraft McDonnell De Otis Elevator Southwesterr

FEBRUARY 12 A.O. Smith C Arkansas Bes Chevron Halliburton



# placement

## co-op

UMR CAREER DEVELOPMENT  
Buehler Building  
9th & Rolla Streets

Following is a tentative list of companies scheduled to interview during Spring 1986 semester. Any last minute changes, additions, cancellations, etc., will be posted in the Weekly Detail Lists.

- JANUARY 28**  
Ingersoll Rand
- JANUARY 29**  
Ford Motor Co.  
GTE  
Martin Marietta-Denver Aerospace  
Martin Marietta-Orlando Aerospace  
Square D-Cedar Rapids  
U.S. Navy
- JANUARY 30**  
Anheuser Busch  
Citi Corp.  
Ford Motor Co.  
Martin Marietta-Denver Aerospace  
Natural Gas Pipeline  
Westinghouse (Idaho)
- JANUARY 31**  
Manville  
O'Brien & Gere  
R.A. Behrmann  
Westinghouse (Idaho)
- FEBRUARY 3**  
Dowell Schlumberger  
Texas Utilities Services
- FEBRUARY 4**  
ALCOA  
Allied Bendix Corp.  
AT&T  
Central Illinois Public Service  
Conoco-Petroleum Products  
Granite City Steel  
Northrop Corp.  
Procter & Gamble-Prod. Dev.
- FEBRUARY 5**  
A.E. Staley  
Allied Bendix Corp.  
AT&T  
Conoco-Petroleum Products  
Goodyear Aerospace  
Granite City Steel  
Procter & Gamble-Prod. Dev.
- FEBRUARY 6**  
Allied Bendix Corp.  
ARCO  
AT&T  
Hewlett Packard  
Inland Steel (Harbor Works)
- FEBRUARY 7**  
Allied Bendix Corp. (NJ)  
Emerson Electric Corp.  
E-Systems  
Hewlett Packard  
Marathon Pipeline  
Naval Weapons Ctr.-Corona, CA  
Norfolk Southern
- FEBRUARY 10**  
Continental Telephone of California  
Dresser Atlas  
Emerson Electric  
Frito Lay  
MCC Powers  
Shell Oil
- FEBRUARY 11**  
American Electric Power  
Boeing Military-Wichita  
Dow Chemical (CANCELLED)  
Ethyl Petroleum Additives  
General Motors  
Lever Brothers  
Olin Corp.  
Rockwell International (Cedar Rapids)  
Shell Oil  
U.S. Marines
- FEBRUARY 12**  
Black & Veatch  
Conoco, Inc. (Computer & Telecomm)  
General Motors  
Lever Brothers  
U.S. Gypsum  
U.S. Marines
- FEBRUARY 13**  
General Motors
- FEBRUARY 14**  
Frito Lay  
Square D-Cedar Rapids  
Texas Eastern Transmission  
Wisconsin Power & Light
- FEBRUARY 17**  
Chevron  
Hughes Aircraft  
McDonnell Douglas Corp.  
Otis Elevator  
Southwestern Bell
- FEBRUARY 18**  
A.O. Smith Co.  
Arkansas Best  
Chevron  
Halliburton Services-Welex
- Hughes Aircraft  
Illinois Power  
Maytag  
McDonnell Douglas Corp.  
Professional Services  
Southwestern Bell
- FEBRUARY 19**  
Arkansas Best  
General Electric  
Mobil Oil  
Northern Illinois Gas  
Professional Services  
Texas Instruments  
Veterans Administration
- FEBRUARY 20**  
Arkansas Best  
General Electric  
Motorola  
Texas Instruments
- FEBRUARY 21**  
Harris Corporation  
Westinghouse (Corp.)
- FEBRUARY 24**  
Sperry Flight  
Union Carbide
- FEBRUARY 25**  
Burns & McDonnell  
Caterpillar  
Data General  
Factory Mutual  
National Standard  
Procter & Gamble-Mfg. Management  
R.A. Behrmann  
Schlumberger Well Services  
Teledyne MEC  
Union Carbide  
U.S. Navy  
United Telephone (KC)
- FEBRUARY 26**  
AMOCO Oil (RTE)  
Arkansas Power & Light  
Bell Helicopter  
Caterpillar  
CIA  
Gardner Denver (Cooper Industries)  
Kansas City Power & Light  
NCR (Engr. & Mfg.-Wichita)  
Procter & Gamble-Mfg. Mgt.  
R.R. Donnelley (Mattoon)  
Schlumberger Well Services
- FEBRUARY 27**  
Bell Helicopter  
Ceco, Inc.  
CIA  
General Dynamics  
Laclede Gas  
Naval Weapons Ctr.-China Lake  
NL Industries  
Pacific Missile Test Center  
Pratt & Whitney Aircraft  
Procter & Gamble-Mfg. Mgt.  
Schlumberger Well Services  
Tinker AFB (Tinker, OK)  
Topaz, Inc.  
Union Electric
- FEBRUARY 28**  
General Dynamics  
Naval Weapons Ctr.-China Lake
- MARCH 4**  
Corps of Engineers-Vicksburg, MS  
Naval Avionics  
Texas Eastman-Longview  
Union Pacific  
U.S. Marines
- MARCH 5**  
Acme Brick Co.  
Texas Eastman-Longview  
Union Pacific  
U.S. Marines  
Hansen, Lind, Meyer
- MARCH 6**  
Kiewit Western  
U.S. Marines
- MARCH 7**  
Wells Mfg. Company
- MARCH 11**  
Oklahoma Gas & Electric Co.
- MARCH 12**  
Litton-San Carlos, CA
- MARCH 17**  
Vanderberg Western Space  
& Missile Ltr.
- MARCH 19**  
Johnson Controls (Dallas)  
Peace Corps
- MARCH 26**  
Sverdrup Technologies

### SPECIAL NOTICE

#### SIGN-UP FOR CATERPILLAR TRACTOR COMPANY CO-OP INTERVIEWS

WHEN: Friday, February 7, 1986

WHERE: Co-op Office, 101 Buehler Bldg.

TIMES: For morning sign-ups - 8:00 - 11:00 am  
For afternoon sign-ups - 1:00 - 3:00 pm

INTERVIEWING: M.E., E.E., Met.E.

Requirements: 2.5 GPA or above, American Citizenship required,  
1 hr interviews, freshmen or above.

THE ACTUAL INTERVIEW DATE WILL BE Tuesday, Feb. 25, and Wednesday,  
Feb. 26, 1986.

Caterpillar Tractor has requested that we furnish them with resumes for pre-screening. We will accept as many resumes as we can collect. No waiting in line, just drop off a copy of your resume on the above sign-up date. After pre-screening, Caterpillar will correspond with you indicating if they are interested in interviewing you.

#### SIGN UP FOR MCDONNELL DOUGLAS CO-OP INTERVIEWS

WHEN: FRIDAY, JANUARY 24, 1986

WHERE: UMR CO-OP OFFICE, 101 BUEHLER BLDG.

TIMES: COLLECTING RESUMES MORNING 8:00 - 11:00  
COLLECTING RESUMES AFTERNOON 1:00 - 3:00

Interviewing: A.E., C.Sc., E.E., Eng.Mgmt., M.E.

Requirements: 2.83 GPA or above, American  
Citizenship required

You must furnish a resume to be turned in at the time of sign-ups. We will collect resumes all day and there will be no limit to the number that we will take. So you DO NOT have to wait in line.

The actual interview dates will be Feb. 24 and Feb. 25, 1986.

McDonnell Douglas has requested that we furnish them with resumes for pre-screening. After they pre-screen, McDonnell Douglas will correspond with you indicating if they are interested in interviewing you.

Reminder! All students must have a resume and a transcript on file with the Co-op Office before we can sign you up for any interview, including the ones for resumes only.

Interview date: Monday, February 10, 1986

ETHYL CORPORATION-ETHYL PETROLEUM ADDITIVES  
Sauget, IL (St. Louis area)

Interviewing: M.E.

Requirements: 2.7 GPA or above, American  
Citizenship not required, but require permanent  
resident visa, Freshmen or above.

Sign-up date: Thurs., Jan. 30, 1986  
Sign-up time: 7:45 am

One schedule consists of 13 interview times,  
7 in the am, 6 in the pm.

#### February, 1986

GENERAL MOTORS ASSEMBLY  
GROUP, BOC  
Wentzville, Missouri

Interviewing: M.E., E.E.

Requirements: 3.0 GPA or above,  
second semester freshmen or  
first semester sophomore  
Permanent Visa required

Sign-up date: Wed., Jan. 29, 1986  
Sign-up time: 7:45 am

Resumes only. If you want your  
resume sent to this company, please  
request the Co-op Office to do so  
on the above sign-up date.

Interview date: Tues., Feb. 11, 1986

DOW CHEMICAL  
Plaquemine, Louisiana (formerly recruiting  
out of Freeport, TX)

Interviewing: M.E.

Requirements: 2.8 GPA or above, Sophomore  
level or above, American Citizenship or  
Permanent Visa

Sign-up date: Tues, Jan 28, 1986

Sign-up time: 7:45 am

One schedule consists of 13 interview  
times, 7 in the am, 6 in the pm.

\*\*\*\*\*  
INTERVIEW DATE: THURSDAY, FEB. 13, 1986

UNITED STATES GYPSUM COMPANY  
N. Kansas City, MO

Interviewing: M.E., Mining

Requirements: 2.5 GPA or above, Sophomores  
or above (completing 4-5 semesters),  
US Citizenship or Permanent Visa

Sign-up date: Wed., Jan. 29, 1986  
Sign-up time: 7:45 am

One schedule consists of 13 interview  
times, 7 in the am, 6 in the pm.

\*\*\*\*\*  
Interview date: Thurs., Feb. 13, 1986

BOC LUXURY VEHICLE PRODUCT TEAM  
GENERAL MOTORS  
Flint, Michigan

Interviewing: Ch.E., E.E., M.E., Met.E.

Requirements: 3.3 GPA or above, American  
Citizenship required, sophomores or above  
(completing 4 semesters)

Sign-up date: Mon. Feb. 3, 1986  
Sign-up time: 7:45 am

One-half schedule consists of 6  
interview times, pm schedule only.

\*\*\*\*\*  
Interview date: Thurs., Feb. 13, 1986

HIRAM WALKER  
Ft. Worth, Texas

Interviewing: C.Sc.

Requirements: 3.0 GPA or above,  
Junior level or above, American  
Citizenship required. Must be completing  
5 semesters

Sign-up date: Thurs., Jan. 30, 1986  
Sign-up time: 7:45 am

One schedule consists of 12 interview  
times, 6 in the am, 6 in the pm.



## Co-op

Interview date: Fri., February 14, 1986

GENERAL MOTORS CPC GROUP  
Oklahoma City, Ok.

Interviewing: E.E., M.E., Eng.Mech.

Requirements: 3.0 GPA or above, sophomores or above (must be completing 4 semesters)  
American Citizenship preferred.Sign-up date: Friday, Jan. 31, 1986  
Sign-up time: 7:45 am

One schedule consists of 13 interview times, 7 in the am, 6 in the pm.

\*\*\*\*\*

Interview date: Friday, Feb. 14, 1986

CHEVROLET-PONTIAC-GM OF CANADA  
Warren, Michigan

Interviewing: Ch.E., E.E., M.E.

Requirements: 3.0 GPA or above,  
American Citizenship not required,  
Sophomores or above (completing 4 semesters)Sign-up date: Friday, Jan. 31, 1986  
Sign-up time: 7:45 am

One schedule consists of 13 interview times, 7 in the am, 6 in the pm

\*\*\*\*\*

February, 1986

NASA - Langley Research Center  
Hampton, Virginia

Interviewing: A.E., C.Sc., E.E., M.E.

Requirements: 3.0 GPA or above,  
American Citizenship required.  
Must pick up a 171 form on the day of sign-ups.Sign-up date: Mon., Feb. 3, 1986  
Sign-up time: 7:45 am

Resumes only. If you want your resume sent to this company, please request the Co-op Office to do so on the above sign-up date.

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Interview date: Tuesday, Feb. 18, 1986

CHEVRON CORPORATION  
San Francisco, California

Interviewing: Ch.E., M.E., E.E.

Requirements: 3.2 GPA or above, Permanent Visa,

Sign-up date: Tues., Feb. 4, 1986  
Sign-up time: 7:45 am

One schedule consists of 13 interview times, 7 in the am, 6 in the pm.

\*\*\*\*\*

February, 1986

Kremer & Assoc. Consulting Engr.  
High Ridge, Missouri

Interviewing: C.E.

Requirements: 2.0 GPA or above,  
American Citizenship not required,  
Sophomores or above (must be completing 4 semesters), must have drawing and drafting courses.Sign-up date: Wed., Feb. 5, 1986  
Sign-up time: 7:45 am

Resumes only. If you want your resume sent to this company, please request the Co-op Office to do so on the above sign-up date.

\*\*\*\*\*

February, 1986

DEFENSE MAPPING AGENCY  
St. Louis, MissouriInterviewing: Math., C.Sc., Geo.E.,  
Geology, Geophysics, Physics

Requirements: 2.0 GPA or above, American Citizenship required.

Sign-up date: Wed., Feb. 5, 1986  
Sign-up time: 7:45 am

Resumes only. If you want your resume sent to this company, please request the Co-op Office to do so on the above sign-up date.

February, 1986

GENERAL MOTORS ROCHESTER PRODUCTS  
Coopersville, Michigan

Interviewing: M.E.

Requirements: 2.0 GPA or above

Sign-up date: Thurs., Feb. 6, 1986  
Sign-up time: 7:45 am

Resumes only. If you want your resume sent to this company, please request the Co-op Office to do so on the above sign-up date.

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Interview date: Tues., Feb. 25, 1986

CATERPILLAR TRACTOR COMPANY  
Peoria, IL

SEE SEPARATE LISTING FOR SIGN-UP DATE

\*\*\*\*\*

February, 1986

DETROIT DIESEL ALLISON DIV GENERAL MOTORS  
Indianapolis, IN

Interviewing: E.E., M.E.

Requirements: 3.2 GPA or above,  
American Citizenship requiredSign-up date: Mon. Feb. 10, 1986  
Sign-up time: 7:45 am

Resumes only. If you want your resume sent to this company, please request the Co-op Office to do so on the above sign-up date.

\*\*\*\*\*

February, 1986

ELECTRO-MOTIVE DIV/GMC  
LaGrange, Illinois

Interviewing: E.E., M.E.

Requirements: 3.0 GPA or above,  
Permanent VisaSign-up date: Mon. Feb. 10, 1986  
Sign-up time: 7:45 am

Resumes only. If you want your resume sent to this company, please request the Co-op Office to do so on the above sign-up date.

\*\*\*\*\*

Interview date: Tues., Feb. 25, 1986

MONSANTO COMPANY - CARONDELET PLANT  
St. Louis, Missouri

Interviewing: Ch.E., E.E., M.E.

Requirements: 2.0 GPA or above, American Citizenship required, Start work fall, must pick up a Monsanto application on the day of sign-ups.

Sign-up date: Tues., Feb. 11, 1986  
Sign-up time: 7:45 am

One schedule consists of 13 interview times, 7 in the am, 6 in the pm.

\*\*\*\*\*

Interview date: Thursday, Feb. 27, 1986

GENERAL DYNAMICS  
Ft. Worth, TexasInterviewing: A.E., C.Sc., E.E.,  
M.E., Met.E.Requirements: 2.7 GPA or above, American Citizenship required, 45 minute interviews, must pick up a General Dynamics application  
Sign-up date: Thursday, Feb. 13, 1986

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February, 1986

MARTIN MARIETTA ENERGY SYSTEMS  
Oak Ridge, TN

Interviewing: Met.E.

Requirements: 3.0 GPA or above,  
American Citizenship required,  
Sign-up Date: Friday, Feb. 14, 1986

Resumes only. If you want your resume sent to this company, please request the Co-op Office to do so on the above sign-up date.

Interview date: Wed., Feb. 26, 1986

UNION ELECTRIC COMPANY  
St. Louis, MissouriInterviewing: Ch.E., E.E., Eng.Mgmt.  
M.E., Nuc.E.

Requirements: 2.5 GPA or above, Juniors or above (completing 5 semesters)

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WEEK OF JANUARY 27-31, 1986

SIGNUP LOCATION: Basement of Buehler Bldg.  
9th & Rolla StreetsSIGNUP HOURS: 8:00-10:30 for AM Interviews  
1:00-3:00 for PM Interviews

NOTE: STUDENTS REGISTERED WITH CAREER DEVELOPMENT DURING FALL 1985 SEMESTER NEED TO RE-REGISTER AND TURN IN NEW SUPPLY OF 30 RESUMES PRIOR TO SIGNUP FOR INTERVIEWS. Registration is held on 2nd Floor of Buehler Building.

INGERSOLL RAND COMPANY, Woodcliff Lake, NJ

Interviewing MAY, JULY 1986 grads with BS/MS in ME for Application, Sales, Design, Development, Mfg. Engineer or Mfg. Management Trainee. (Job descriptions will be posted with signups.) Ingersoll Rand designs, develops, manufactures and markets engineered equipment and standard machinery throughout the world. U.S. CITIZENSHIP OR PERMANENT VISA REQUIRED. G.P.A. REQUIREMENT: MUST BE IN TOP HALF OF CLASS.

JOB LOCATION: Nationwide

INTERVIEWER: Chris Chidester

INTERVIEW DATE: Tuesday, January 28, 1986

(Note: Interview date Change from Jan. 29 to 28)

NUMBER OF SCHEDULES: 1

PRIORITY SIGNUP: Tuesday, January 14, 1986

REGULAR SIGNUP: Wednesday, January 15, 1986

SQUARE D, Cedar Rapids, Iowa

Interviewing MAY 1986 grads with BS/MS in EE (power option) for Electro-Mechanical Design Engineer: leadership roles to direct work on molded case circuit breaker projects typically involving mechanism design, magnetic circuits, arc interruption, current sensing and heat transfer. U.S. CITIZENSHIP OR PERMANENT VISA REQUIRED.

G.P.A. REQUIREMENT: 2.3 or better

JOB LOCATION: Cedar Rapids, Iowa

INTERVIEWER: unknown

INTERVIEW DATE: Wednesday, January 29, 1986

NUMBER OF SCHEDULES: 1

PRIORITY SIGNUP: Tuesday, January 14, 1986

REGULAR SIGNUP: Wednesday, January 15, 1986

GTE, Stanford, CT

Interviewing MAY OR JULY 1986 grads with BS/MS in EE or Computer Science for Associate - Engineering Associate Development Program: exposure to the many GTE businesses doing work in research and development, design, application, process, product or test engineering. The time frame of the program is approx. 20 months during which the Engineering Associates are engaged in three different assignments, each in a different part of GTE and each in a different phase of product development. U.S. CITIZENSHIP IS REQUIRED DUE TO THE SECURITY CLEARANCE NEEDS AND DEPT. OF DEFENSE WORK CONDUCTED AT SOME LOCATIONS.

G.P.A. REQUIREMENT: 3.0

JOB LOCATION: Assignments are located nationwide; candidates must be willing to relocate.

INTERVIEWERS: unknown

INTERVIEW DATE: Wednesday, January 29, 1986

NUMBER OF SCHEDULES: 1

PRIORITY SIGNUP: Tuesday, January 14, 1986

REGULAR SIGNUP: Wednesday, January 15, 1986

MARTIN MARIETTA ORLANDO AEROSPACE, Orlando, FL

Interviewing MAY OR JULY 1986 grads with BS/MS in EE or ME (with Mfg. Eng. option) for entry level engineering and mfg. openings in design, development &amp; production of missile systems. U.S. CITIZENSHIP REQUIRED.

G.P.A. REQUIREMENT: 2.5 AND ABOVE

JOB LOCATION: Orlando, FL

INTERVIEWER: unknown

INTERVIEW DATE: Wednesday, January 29, 1986

NUMBER OF SCHEDULES: 1

PRIORITY SIGNUP: Tuesday, January 14, 1986

REGULAR SIGNUP: Wednesday, January 15, 1986

FORD MOTOR COMPANY, Dearborn, MI

Interviewing MAY, JULY 1986 grads with BS/MS/PhD in ME, EE, Computer Science or Engineering Mechanics for Car Product Development - Product Engineer. U.S. CITIZENSHIP OR PERMANENT VISA REQUIRED.

JOB LOCATION: Dearborn, MI

American Citizenship required or Permanent Visa

Sign-up date: Wed., Feb. 12, 1986  
Sign-up time: 7:45 am

One schedule consists of 12 interview times, 6 in the am, 6 in the pm

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## permanent

INTERVIEWER: unknown

INTERVIEW DATE: Wednesday, January 29, 1986  
Thursday, January 30, 1986

NUMBER OF SCHEDULES: 2 ea day

PRIORITY SIGNUP: Tuesday, January 14, 1986

REGULAR SIGNUP: Wednesday, January 15, 1986

MARTIN MARIETTA DENVER AEROSPACE, Denver, CO

Interviewing MAY 1986 grads with BS/MS in AE, ME, EE or Computer Science for entry level and experienced level technical positions on various programs primarily in the design and development of sophisticated space and missile systems. MUST BE A U.S. CITIZEN

INTERVIEWER: unknown

INTERVIEW DATE: Wednesday, January 29, 1986  
Thursday, January 30, 1986

NUMBER OF SCHEDULES: 1 ea day

PRIORITY SIGNUP: Tuesday, January 14, 1986

REGULAR SIGNUP: Wednesday, January 15, 1986

NAVY RECRUITING DISTRICT, St. Louis, MO

Interviewing recent grads, MAY &amp; JULY 1986 grads or JUNIORS majoring in Engineering, Physics, Chemistry, and Math for operational engineer position and instructor positions.

U.S. CITIZENSHIP REQUIRED

G.P.A. REQUIREMENT: 3.0 for seniors; 3.3 for jrs

INTERVIEW DATE: Wednesday, January 29, 1986

NUMBER OF SCHEDULES: 1

PRIORITY SIGNUP: Tuesday, January 14, 1986

REGULAR SIGNUP: Wednesday, January 15, 1986

CITI CORP PERSON-TO-PERSON, St. Louis, MO

Interviewing MAY 1986 grads with BS/Engineering Management for Process &amp; Facility Analyst - responsibilities will include the analysis and design of processing flows in a number of servicing departments to improve labor productivity, product lead times, and overall service quality.

U.S. CITIZENSHIP REQUIRED

JOB LOCATION: St. Louis, MO

INTERVIEWER: unknown

INTERVIEW DATE: Thursday, January 30, 1986

NUMBER OF SCHEDULES: 1

PRIORITY SIGNUP: Wednesday, January 15, 1986

REGULAR SIGNUP: Thursday, January 16, 1986

NOTE: INFORMATION MEETING TO BE HELD ON JAN. 29 UNIVERSITY CENTER WEST FROM 6:30 to 9:00 P.M.

ANHEUSER BUSCH, St. Louis, MO

Interviewing MAY 1986 grads with BS/ME and BS/EE for entry level engineers. ME: material handling, brewing process, high speed bottle and can packaging, steam generation, ammonia refrigeration, carbon dioxide, etc.;

EE: selection of instrumentation, programmable logic controllers and process computer hardware and software for control applications, design of a wide variety and complexity of system and equipment control circuitry, etc.

U.S. CITIZENSHIP REQUIRED

G.P.A. REQUIREMENT: 2.8

JOB LOCATION: St. Louis, MO

INTERVIEWERS: Charles DiMercurio, Kathleen P. Brumitt, Joseph A. Abernathy

INTERVIEW DATE: Thursday, January 30, 1986

NUMBER OF SCHEDULES: 2

PRIORITY SIGNUP: Wednesday, January 15, 1986

REGULAR SIGNUP: Thursday, January 16, 1986

O'BRIEN &amp; GERE, Syracuse, NY

Interviewing Dec. 1985 or MAY 1986 grads with BS/MS in CE, ChE, Environmental; of secondary interest: ME for entry level positions possible; esp. for Civil or Environmental Engineering. Company is a multi-disciplined consulting engineering firm with diversified projects, especially aspects of civil &amp; environmental engineering. U.S. CITIZENSHIP OR PERMANENT RESIDENT VISA IS REQUIRED.

JOB LOCATION: most likely St. Louis; company HQ is Syracuse, NY

INTERVIEWER: Peter Koval

INTERVIEW DATE: Friday, January 31, 1986

NUMBER OF SCHEDULES: 1

PRIORITY SIGNUP: Thursday, January 16, 1986

REGULAR SIGNUP: Friday, January 17, 1986

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# Permanent

from page 18

## WESTINGHOUSE ELECTRIC CORP., Idaho Falls, ID

Interviewing MAY OR JULY 1986 grads with BS/MS in EE, ME, or NE for Engineering: design, development, application, systems, and test controls, structures, fluids, heat sciences; Nuclear Power Plant Engineering Program (NPE) - Engineering Management and Operations Certification Program.  
U.S. CITIZENSHIP REQUIRED.

G.P.A. REQUIREMENT: 3.0

JOB LOCATION: Westinghouse Naval Reactors Facility - Idaho Falls, Idaho

INTERVIEWER: Joe Carello  
INTERVIEW DATES: Thursday, January 30, 1986  
Friday, January 31, 1986

NUMBER OF SCHEDULES: 1 ea day

PRIORITY SIGNUP: Wednesday, January 15, 1986  
REGULAR SIGNUP: Thursday, January 16, 1986

## R.A. BEHRMANN & ASSOCIATES, INC., St. Louis, MO

Interviewing recent grads, MAY OR JULY 1986 grads with BS/Mechanical, Systems Science or Mathematics for Outside Sales Engineer in Commercial Div., Inside Sales Engineer in Commercial Div., Outside Sales Engineer in Industrial Div.  
R.A. Behrmann is a mfg. representative with commercial div. selling boilers, burners, pumps & heat transfer equipment for HVAC systems. The Ind. Div. sells instrumentation, control & flow measurement systems.

G.P.A. REQUIREMENT: 2.5

JOB LOCATION: all in St. Louis, MO

INTERVIEWER: Donald W. Behrmann  
INTERVIEW DATE: Friday, January 31, 1986  
NUMBER OF SCHEDULES: 1

PRIORITY SIGNUP: Thursday, January 16, 1986  
REGULAR SIGNUP: Friday, January 17, 1986

## MANVILLE CORPORATION, Denver, CO

Interviewing MAY 1986 grads with BS/MS in Chem Eng. or ME for opportunities in Research & Development. Job description will be posted with signups.  
G.P.A. REQUIREMENT: 3.0 OR ABOVE  
JOB LOCATION: Denver, CO

INTERVIEWER: Dr. Vander Linden  
INTERVIEW DATE: Friday, January 31, 1986  
NUMBER OF SCHEDULES: 1

PRIORITY SIGNUP: Thursday, January 16, 1986  
REGULAR SIGNUP: Friday, January 17, 1986

## WEEK OF FEBRUARY 3-7, 1986

NOTE: The following companies will be interviewing; INFORMATION IS NOT AVAILABLE AT THIS TIME. (Will post in next week's detail list and on Career Development bulletin boards when available.)

DOWELL SCHLUMBERGER (interview date: Feb. 3)  
TEXAS UTILITIES SERVICES (interview date: Feb. 3)

Priority signup: Friday, Jan. 17, 1986  
Regular signup: Monday, Jan. 20, 1986

AT&T (interview dates: Feb. 4, 5, 6)

Priority signup: Monday, Jan. 20, 1986  
Regular signup: Tuesday, Jan. 21, 1986

A.E. STALEY (interview date: Feb. 5)

Priority signup: Wednesday, Jan. 22, 1986  
Regular signup: Thursday, Jan. 23, 1986

ALLIED BENDIX (NJ) (interview date: Feb. 7)

E-SYSTEMS (interview date: Feb. 7)  
NORFOLK SOUTHERN (interview date: Feb. 7)

NAVAL WEAPONS CTR.-Corona, CA (interview date: Feb. 7)

Regular signup: Friday, Jan. 24, 1986

## ALOCA, Pittsburgh, PA

Interviewing MAY, JULY 1986 grads with BS/MS in EE for EE; BS/MS in ME for ME or BS/MS in Chemical Met. or ChE for Process Engineering. (Job details will be posted at time of signups.) U.S. CITIZENSHIP OR PERMANENT VISA IS REQUIRED.

STUDENTS ARE REQUESTED TO BRING COPY OF THEIR TRANSCRIPT TO INTERVIEW (OBTAIN FROM REGISTRAR).

JOB LOCATION: nationwide

INTERVIEWERS: unknown

INTERVIEW DATE: Tuesday, Feb. 4, 1986

NUMBER OF SCHEDULES: 1-EE; 1-ME; 1-ChE/ChE/Met  
PRIORITY SIGNUP: Monday, January 20, 1986  
REGULAR SIGNUP: Tuesday, January 21, 1986

## ALLIED BENDIX CORP., Kansas City, MO

Interviewing MAY, JULY 1986 grads with BS/MS in EE or ME for Engineer (Associate), Engineer.

U.S. CITIZENSHIP IS REQUIRED.

JOB LOCATION: Kansas City, Missouri  
INTERVIEWERS: Carolyn R. Shields  
Ben Tate

INTERVIEW DATES: Tuesday, Feb. 4, 1986  
Wednesday, Feb. 5, 1986  
Thursday, Feb. 6, 1986

NUMBER OF SCHEDULES: 2 ea day

PRIORITY SIGNUP: Monday, January 20, 1986  
REGULAR SIGNUP: Tuesday, January 21, 1986

## CENTRAL ILLINOIS PUBLIC SERVICE, Springfield, IL

Interviewing MAY 1986 grads with BS/MS in EE for Engineering, Transmission & Distribution, System Planning, Relay Field Engineering Transmission & Distribution and Substation.  
PERMANENT VISA IS REQUIRED.  
G.P.A. REQUIREMENT: "C"

JOB LOCATION: General Office, Eastern, Western & Southern Divisions

INTERVIEWER: H.L. Gaffney  
INTERVIEW DATE: Tuesday, Feb. 4, 1986

NUMBER OF SCHEDULES: 1

PRIORITY SIGNUP: Monday, January 20, 1986  
REGULAR SIGNUP: Tuesday, January 21, 1986

## CONOCO, INC./PETROLEUM PRODUCTS, NORTH AMERICA, Ponca City, OK

Interviewing MAY, JULY 1986 grads with BS/MS in ChE, CE, ME or Engineering Management for Management Development Program (1 yr) to expose new engineers to petroleum operations, economic evaluation, project design & construction management.  
U.S. CITIZENSHIP OR PERMANENT VISA IS REQUIRED.

STUDENTS MUST READ PP, NA RECRUITING BROCHURE PRIOR TO INTERVIEW (Will be available at time of signups). Note: Feb. 4 is reserved for summer interviews.

JOB LOCATION: various - geographic mobility required.

INTERVIEWERS: unknown

INTERVIEW DATE: Wednesday, Feb. 5, 1986

NUMBER OF SCHEDULES: 2

PRIORITY SIGNUP: Tuesday, January 21, 1986  
REGULAR SIGNUP: Wednesday, January 22, 1986

## GRANITE CITY STEEL CO, Granite City, IL

Interviewing MAY, JULY 1986 grads with BS/ Electrical Engineering for Management Associate Program: Two Phased: (1) Division/Department orientation, five-week rotational assignments for familiarization and observation purposes; (2) On-the-Job Training: (a) six months in the area for which he/she was hired; (b) three, four/six month rotational projects or on-the-job training assignments. Job description will be posted with signups.  
U.S. CITIZENSHIP OR PERMANENT VISA REQUIRED.  
JOB LOCATION: Granite City, IL

INTERVIEWERS: unknown

INTERVIEW DATE: Tuesday, Feb. 4, 1986

NUMBER OF SCHEDULES: 2

PRIORITY SIGNUP: Monday, January 20, 1986  
REGULAR SIGNUP: Tuesday, January 21, 1986

## NORTHROP CORPORATION, Los Angeles, CA

Interviewing MAY, JULY 1986 grads with BS/MS in EE or Comp Sci for the Defense Systems Div. in Rolling Meadows, IL; or BS in EE for Wilcox Electric Div. in Kansas City, MO. (Job descriptions will be posted with signups.)  
U.S. CITIZENSHIP IS REQUIRED: NORTHROP IS A DEFENSE CONTRACTOR.  
2.5 GPA IS REQUIRED.

INTERVIEWERS: unknown

INTERVIEW DATE: Tuesday, Feb. 4, 1986

NUMBER OF SCHEDULES: 1-Defense Systems Div.  
1-Wilcox Electric Div.

PRIORITY SIGNUP: Monday, January 20, 1986  
REGULAR SIGNUP: Tuesday, January 21, 1986

## PROCTER & GAMBLE COMPANY, Cincinnati, OH

Interviewing MAY, JULY 1986 grads with BS/MS in Chemical Engineering for R&D Product Development. Includes: Process Development, Products Research, Technical Packaging, R&D Product Development-outside U.S.A. (Job details will be posted with signups.)  
MUST BE U.S. CITIZEN OR HOLD PERMANENT VISA.

JOB LOCATION: Cincinnati, OH

INTERVIEWER: A.R. Spector (1 schedule)

INTERVIEW DATE: Tuesday, Feb. 4, 1986

PRIORITY SIGNUP: Monday, January 20, 1986  
REGULAR SIGNUP: Tuesday, January 21, 1986

## GOODYEAR AEROSPACE, Litchfield Park, AZ

Interviewing recent grads or MAY 1986 grads with BS/MS/PhD in Computer Science, EE or Eng. Physics for Staff Associate-Scientific. (Job description will be posted with signups.)  
U.S. CITIZENS ONLY.  
STUDENTS MUST COMPLETE GOODYEAR PRE-INTERVIEW FORM PRIOR TO INTERVIEW; ALSO BRING COPY OF TRANSCRIPT TO INTERVIEW. (Transcripts must be obtained from the Registrar's Office.)

JOB LOCATION: Litchfield Park, AZ

INTERVIEWER: Cindi Miner (1 schedule)

INTERVIEW DATE: Wednesday, Feb. 5, 1986

PRIORITY SIGNUP: Tuesday, January 21, 1986  
REGULAR SIGNUP: Wednesday, January 22, 1986

## HEWLETT PACKARD COMPANY, Corvallis, OR

Interviewing MAY, JULY 1986 grads with BS/MS/PhD in EE or Computer Science for R&D, Mfg., Marketing.  
U.S. CITIZENSHIP OR PERMANENT VISA REQUIRED.  
G.P.A. REQUIREMENT: 2.5

JOB LOCATION: Colorado, California, Northwest & Northeast

INTERVIEWER: Bob Livengood (1 schedule)  
INTERVIEW DATE: Thursday, Feb. 6, 1986

PRIORITY SIGNUP: Wednesday, January 22, 1986

REGULAR SIGNUP: Thursday, January 23, 1986

Interviewing MAY, JULY 1986 grads with BS/MS/PhD in EE or Comp Sci for Marketing, Sales. U.S. CITIZENSHIP OR PERMANENT VISA REQUIRED.

G.P.A. REQUIREMENT: 2.5

JOB LOCATION: various U.S. locations

INTERVIEWER: Rick Byrne (1 schedule)

INTERVIEW DATE: Thursday, Feb. 6, 1986

PRIORITY SIGNUP: Wednesday, January 22, 1986

REGULAR SIGNUP: Thursday, January 23, 1986

## HEWLETT PACKARD COMPANY, Corvallis, OR

Interviewing MAY, JULY 1986 grads with BS/MS/PhD in Mechanical Engineering for R&D, Mfg., Marketing. U.S. CITIZENSHIP OR PERMANENT VISA REQUIRED.

G.P.A. REQUIREMENT: 2.5

JOB LOCATION: various U.S.

INTERVIEWER: Dave Prouty (1 schedule)

INTERVIEW DATE: Thursday, Feb. 6, 1986

PRIORITY SIGNUP: Wednesday, January 22, 1986

REGULAR SIGNUP: Thursday, January 23, 1986

## HEWLETT PACKARD COMPANY, Corvallis, OR

Interviewing MAY, JULY 1986 grads with BS/MS/PhD in Computer Science for R&D, Mfg., Marketing. U.S. CITIZENSHIP OR PERMANENT VISA REQUIRED.

G.P.A. REQUIREMENT: 2.5

INTERVIEWER: Bob Steiner (1 schedule)

INTERVIEW DATE: Thursday, Feb. 6, 1986

PRIORITY SIGNUP: Wednesday, January 22, 1986

REGULAR SIGNUP: Thursday, January 23, 1986

NOTE: HEWLETT PACKARD WILL HAVE AN INFORMATION MEETING ON WEDNESDAY, FEB. 5, FROM 5:30-7:00 P.M. IN THE ME AUDITORIUM.

## INLAND STEEL, East Chicago, IN

Interviewing MAY, JULY 1986 grads with BS/Met Eng. or BS/MS in ME or EE for QC, Technical Svcs., Production or Manufacturing, or Engineering Design.  
U.S. CITIZENSHIP IS REQUIRED. 2.5 GPA IS REQUIRED.

INTERVIEWERS: unknown

NUMBER OF SCHEDULES: 1-Met Engr. ONLY

1-ME/EE: ME SIGNUPS WILL BE IN THE AM

WITH 7 INTERVIEW OPENINGS; EE SIGNUPS WILL

BE IN THE PM WITH 6 INTERVIEW OPENINGS ONLY.

PRIORITY SIGNUP: Wednesday, January 22, 1986

REGULAR SIGNUP: Thursday, January 23, 1986

## EMERSON ELECTRIC CORP., St. Louis, MO

Interviewing MAY, JULY 1986 grads with BS in ME, Engineering Management or others interested in Mfg. Management. Mfg. Management Training Program is a 1-2 yr. program that will expose the trainee to the major departments within a mfg. company.  
U.S. CITIZENSHIP IS REQUIRED.

JOB LOCATION: throughout the U.S.

INTERVIEWERS: unknown (2 schedules)

INTERVIEW DATE: Friday, Feb. 7, 1986

PRIORITY SIGNUP: Thursday, January 23, 1986

REGULAR SIGNUP: Friday, January 24, 1986

## MCCARTHY, St. Louis, MO

Interviewing MAY 1986 grads ONLY with BS/CE for general construction, construction management or estimating. PERMANENT VISA REQUIRED.

JOB LOCATION: nationwide

INTERVIEWERS: unknown (2 schedules)

INTERVIEW DATE: Friday, Feb. 7, 1986

PRIORITY SIGNUP: Thursday, January 23, 1986

REGULAR SIGNUP: Friday, January 24, 1986

NOTE: (1) SCHEDULE-13 INTERVIEW OPENINGS; 7 interview openings in the morning; 6 interview openings in the afternoon (depending upon beginning & ending times of schedules - varying per company)

## COLGATE PALMOLIVE, Kansas City, KS

Interviewing MAY 1986 grads with BS/ME, ChE, EE or Engineering Management for Manufacturing Management Program. U.S. CITIZENSHIP IS REQUIRED.

JOB LOCATION: Kansas City, KS; possible relocation

INTERVIEWER: Ray Gerke

INTERVIEW DATE: Friday, Feb. 7, 1986

NUMBER OF SCHEDULES: 1

PRIORITY SIGNUP: Thursday, January 23, 1986

REGULAR SIGNUP: Friday, January 24, 1986

## MARATHON PIPELINE COMPANY, Martinsville, IL

Interviewing MAY 1986 grads with BS/EE, ME or CE for Pipeline Project Engineers. U.S. CITIZENSHIP OR PERMANENT RESIDENT VISA IS REQUIRED.  
GPA REQUIREMENT: PREFER 3.0.

JOB LOCATION: Illinois, Wyoming, Texas

INTERVIEWER: Kevin B. Sparks and another

INTERVIEW DATE: Friday, Feb. 7, 1986

NUMBER OF SCHEDULES: 1

PRIORITY SIGNUP: Thursday, January 23, 1986  
REGULAR SIGNUP: Friday, January 24, 1986

## CANCELLATIONS:

ARCO (interview date: Feb. 6)  
Shell Oil (interview date: Feb. 10, 11)  
NCR-Wichita (interview date: Feb. 26)

## ADDITIONS:

McCarthy (interview date: Feb. 7)  
Colgate Palmolive (interview date: Feb. 7)  
Universal Data Systems (interview date: Feb. 19)  
Crown Zellerbach (interview date: March 5)  
Armco Steel (interview date: March 7)

## CHANGE IN INTERVIEW DATE:

United Telephone (KC) will interview on Feb. 18 (original interview date: Feb. 25)

# summer

## WEEK OF JANUARY 27-31, 1986

## NATURAL GAS PIPELINE COMPANY OF AMERICA, Lombard, IL

Interviewing students who have completed their junior year in May/June 1986 or seniors who will graduate in December 1986 or later, in ME, EE or CE. Summer employment assignments may be at Field Transmission, Storage, Measurement, Communications, or Corrosion Control Division locations in a 13 mid state continent area or within Main Office Engineering Departments located in Lombard, IL (suburban Chicago).  
PERMANENT VISA REQUIRED.  
G.P.A. REQUIREMENT: 2.5

INTERVIEW DATE: Thursday, January 30, 1986

NUMBER OF SCHEDULES: 1

INTERVIEW OPENINGS: 7 for AM signups  
6 for PM signups

SIGNUP DATE: Thursday, January 16, 1986

## CITI CORP PERSON-TO-PERSON, St. Louis, MO

Interviewing students in between JUNIOR & SENIOR YEAR in Electrical Engineering or Engineering Management for Summer Intern.  
U.S. CITIZENSHIP REQUIRED.  
JOB LOCATION: St. Louis, MO

INTERVIEW DATE: Thursday, January 30, 1986

NUMBER OF SCHEDULES: 1-Electrical Engineering  
1-Engineering Management

NUMBER OF INTERVIEW OPENINGS: 7 for AM for EE  
6 for PM for EE

7 for AM for Mgt.  
6-for PM for Mgt.

SIGNUP DATE: Thursday, January 16, 1986

NOTE: AN INFORMATION MEETING WILL BE HELD ON JANUARY 29, 1986, UNIVERSITY CENTER, WEST, FROM 6:30-9:00 P.M.

## WEEK OF FEBRUARY 3-7, 1986

## CONOCO, INC./PETROLEUM PRODUCTS, N. AMERICA, Ponca City, OK

Interviewing students who have completed their junior year in ChE, CE, ME or Engineering Management for three month Intern Management Development Program designed to utilize technical skills in conception & development of projects, economic evaluation, technical analysis, project design, construction management, project supervision, and troubleshooting. U.S. CITIZENSHIP OR PERMANENT VISA IS REQUIRED.

INTERVIEWEE MUST READ PP, NA RECRUITING BROCHURE BEFORE INTERVIEW. (available at time of signups)

JOB LOCATION: various

INTERVIEWERS: unknown

INTERVIEW DATE: Tuesday, Feb. 4, 1986

NUMBER OF SCHEDULES: 2 (14 interview openings for AM signups; 12 interview openings for PM signups)

SIGNUP DATE: Tuesday, January 21, 1986

## PROCTER & GAMBLE COMPANY, Cincinnati, OH

Interviewing MAY, JULY 1986 grads with BS/MS in ChE (one year from final degree) for R&D Development-Summer Intern Program.  
MUST BE U.S. CITIZEN OR HOLD PERMANENT IMMIGRANT VISA.

JOB LOCATION: Cincinnati, OH

INTERVIEWER: A.R. Spector

INTERVIEW DATE: Wednesday, Feb. 5, 1986

SIGNUP DATE: Wednesday, Jan. 22, 1986

## AT&T, Kansas City, MO

Interviewing for summer employment - information is not available at this time. (Will post in next week's detail list and on Career Development Office bulletin boards when it becomes available.)

INTERVIEW DATE: Thursday, Feb. 6, 1986

SIGNUP DATE: Thursday, Jan. 23, 1986



# UMR SPRING FILM SERIES



## Jan. 16 PURPLE ROSE OF CAIRO

Directed by Woody Allen with Mia Farrow, Jeff Daniels and Danny Aiello. PG-1985. *The Purple Rose of Cairo* is a delicate and moving exploration of one person's retreat into a fanciful world of illusion—and a loving tribute to the magic of the movies.

## Jan. 23 BIRDY

Directed by Alan Parker with Matthew Modine and Nicolas Cage. R-1984. While Al lifts weights and tries to pick up girls, Birdy, a mechanical genius who breeds canaries, becomes obsessed with dreams of flying. Trapped within the walls of his mundane life, Birdy tries to soar, literally, above them. When, as an adult, he is traumatized by the horrors of Vietnam, Birdy withdraws into his dream world. His fantasies become as real as life; he is labeled a madman and confined to a hospital. Al, who also has been scarred by the war, fights to bring his near-catatonic friend back to reality.

## Jan. 30 AMADEUS

Directed by Milos Forman with F. Murray Abraham and Tom Hulce. PG-13-1984. Winner of eight Academy Awards, including Best Picture, Actor, Director and Screenplay. *Amadeus* achieves a rare combination of sweeping spectacle and bravura theatricality.

## Feb. 5\* GOSPEL

Directed by David Levick with James Cleveland, Walter Hawkins and the Hawkins Family, Shirley Caesar, and the Clark Sisters. G-1982. *Gospel* does not rely on narration, interviews or backstage scenes. It simply lets the music tell the story.

\*FREE—Courtesy of Black History Month Committees, Wednesday Screening in Miles Auditorium—7:30 p.m.

## Feb. 6 AMARCORD

Directed by Federico Fellini with Magali Noel and Bruno Zanin. R-1974. Based on Fellini's recollections of his youth in prewar Italy, the story centers on a young man who longs for the freedom of adulthood. Fellini celebrates the sense of kinship that exists in the town, yet he's aware of the community's shortcomings that pave the way for fascism. Italian with English subtitles.

## Feb. 13 THE KILLING FIELDS

Directed by Roland Joffe with Sam Waterston and Haing S. Ngor. R-1984. A chilling and accurate account of the agony of Cambodia and the Khmer Rouge takeover as recounted through the stirring story of friendship between the abrasive and dedicated *New York Times* correspondent Sydney Schanberg and his loyal Cambodian colleague Dith Pran.

## Feb. 20 ALAMO BAY

Directed by Louis Malle with Amy Madigan and Ed Harris. R-1985. *Alamo Bay* is an explosive, thought-provoking film study of racial hatred and prejudice. Brutal conflict erupts in a small fishing village when Vietnam refugees encroach on the territory of Texas shrimp fishermen.

## Feb. 27 PHAR LAP

Directed by Simon Wincer with Tom Burlinson and Ron Leibman. PG-1984. Phar Lap, a homely long-shot bought for a pittance, won 37 races in three years, only to die mysteriously after his greatest victory at Agua Caliente in Mexico. To the tens of thousands who cheered his victories, Phar Lap was a symbol of triumph over adversity. But to Australia's bookies, who feared his extraordinary ability might hurt their business, he was a serious threat.

## March 3\* THE 400 BLOWS

Directed by Francois Truffaut with Jean-Pierre Leaud. PG-1959. French with English subtitles. Unloved at home and rejected at school, a 12-year-old boy leads a fugitive existence that ends in reform school.

\*FREE—Sponsored by the French Section. Monday Screening in Miles Auditorium—7:30 p.m.

## March 6 LIANNA

Written, edited and directed by John Sayles with Linda Griffiths and Jane Hallaren. R-1983. Contemporary drama of a woman coming to terms with her sexuality. When she stands up for her independence, her husband throws her out of the house and her friends ignore her.

## March 20 PARIS, TEXAS

Directed by Wim Wenders with Harry Dean Stanton, Nastassja Kinski and Dean Stockwell. R-1984. Unanimous winner of the Grand Prize at the Cannes Film Festival, *Paris, Texas* is further testimony to the genius of German director Wim Wenders. Wenders and award-winning playwright Sam Shepard combine their unique talents to take viewers on an unforgettable journey into the heart of Paris, Texas.

## March 27 PAULINE AT THE BEACH

Directed by Eric Rohmer with Amanda Langlet, Arielle Dombasle and Pascal Greggory. R-1983. French with English subtitles. *Pauline at the Beach* gives viewers a delightful glimpse at the romantic entanglements of an eccentric group of vacationers.

## April 10 LAST NIGHT AT THE ALAMO

Directed by Eagle Pennell with Sonny Carl Davis. R-1984. Some men face the future head on. The boys at "The Alamo" face the future dead drunk. "The Alamo" is a small bar in Houston about to be torn down and replaced by a fancy high-rise, unless "Cowboy" (Sonny Carl Davis), a legendary local hero, can save it. The film is set almost entirely in the bar, and rings throughout with some of the funniest, foulest, truest dialogue you'll ever hear.

## April 15\* DONALD HARRINGTON

Ozark novelist Donald Harrington will read from his works, including *Some Other Place*, *The Right Place*, which has been made into a film called *The Return*.

\*Tuesday at Miles Auditorium—7:30 p.m. Free.

## April 24 A SOLDIER'S STORY

Directed by Norman Jewison with Howard Rollins, Jr. PG-1984. A black army attorney investigates the murder of a black soldier amidst the hostilities of white officers and townspeople.

## May 1 A WEDDING

Directed by Robert Altman with Carol Burnett and Geraldine Chaplin. PG-1978. Robert Altman dissects America's most sacred ritual: the wedding ceremony. The result is a wicked comedy wherein he explores—and exposes—the secrets of 48 hilariously unforgettable characters. There's love, money, snobishness and family arguments—everything that makes life interesting.

The Film Series is supported in part by a grant from the Missouri Arts Council. Program director is James Bogan, UMR associate professor of art and film.

Season tickets: \$14.00  
Individual admission: \$3.00  
Fee payable by cash, check, MasterCard or VISA  
Make checks payable to: University of Missouri-Rolla

Tickets available from:  
Auxiliary Services  
Room 114A  
University Center-West  
Phone 341-4131



Thursdays\* 7:30 p.m. Miles Auditorium

University of Missouri-Rolla